





Changzhou Leading Weighing Technology Co., Ltd is a high-tech enterprise, since 2001, has been committed to the research and innovation, production and manufacture of weighing display controllers, load cells and modules. Our main business and technical advantages are concentrated in the new energy and logistics fields, but also in the packaging, filling, 3C, velvet filling, pharmaceutical and other fields.

Our company has unique circuit design and software algorithms in high precision, high speed and dynamic industrial process weighing products, and all kinds of our products can work stably and reliably in all kinds of harsh industrial environments.

Our company has won the honours of Jiangsu Province speciality and special new enterprise, Jiangsu Province gazelle enterprise, Jiangsu Province cloud enterprise, Jiangsu Province software enterprise and so on.

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Instrument Selection List



Products	Parameters	LWT650TPD	LWT610P	LWT610C	LWT650W	LWT650KD2	LWT650PE	LWT650PL	
Type and protection	DIN-railed								
	Desktop								
	Panel-mounted	Stainless steel IP65	Aluminium case IP65	Aluminium case IP65	Aluminium case IP65	Aluminium case IP65	Aluminium case IP65	Aluminium case IP65	
	Dustproof	Stainless steel IP67	Stainless steel IP67	Stainless steel IP66					
	explosion-proof								
Power supply		24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	
Number of analogue scales		1	1	1	2	2	1	1	
Number of loadcells		8x350ohm	8x350ohm	8x350ohm	8x350ohm	8x350ohm	8x350ohm	8x350ohm	
Loadcell sensitivity (mV/V)		1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V	
Loadcell drive voltage		5VDC	5VDC	5VDC	5VDC	5VDC	5VDC	5VDC	
Numeric keypad									
Display		7-inch touch screen	2.7-inch OLED display 128*64 display	3.5-inch touch screen 480*240 display	3.2-inch OLED display 256*64 display	3.2-inch OLED 256*64 Ch- En display	Dual-line six-digit LED display	Dual-line six-digit LED display	
Maximum display index		500.000d	500.000d	500.000d	500.000d	500,000d	300,000d	300,000d	
Weight update rate		≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	
Control input port		+8	+8	+8	+7	+7		+4	
Control output port		+8	+12	+12	+4	+4		+6	
Profinet			•	•			•		
CC-LINK			•	•			•		
EtherCAT			•	•			•		
ProfiBus-DP			•	•			•	•	
EtherNet/IP		•	•	•			•	•	
MODBUS-TCP		•	•	•	•	•	•		
MODBUS-RTU		•	•	•	•	•	•	•	
4~20mA			•	•			•	•	
0~5V			•	•			•	•	
0~10V			•	•			•	•	
CANBUS		•							
RS232		•	•	•	•	•	•	•	
RS485		•	•	•	•	•	•	•	
10/100M Ethernet port (RJ45)		•	•	•	•	•	•		
USB port (master-slave)		•	•	•					
Secondary programming		•							
Calibration free function		•	•	•			•	•	
Battery									
Dimensions (W x H x D) mm	DIN-railed								
	Desktop								
	Dustproof		238x185x158.5						
	Panel explosion-proof	228x164x56	172x92x140	172x92x140	169x93x156	169x97x160	110x62x125	110x62x125	
Panel mount Cutout Dimensions (W x H)mm		215x156	159x69	159x69		139x69	93x47	93x47	

Indicator

Explosion-proof products

Loadcells Modules

Scales Weighing platforms



LWT650CL	LWT650BY	LWT650U	LWT650TE	LWT650LC	LWT650DM	LWT650LA	LWT650TH	LWT650KZD	LWT650-200L
			Aluminium case IP65	Stainless steel IP65	Aluminium case IP65	Aluminium case IP65	Stainless steel IP65	Plastic case IP54	Plastic case IP54
Aluminium case IP65	Aluminium case IP65	Aluminium case IP65							
		Stainless steel IP67							Stainless steel IP67
24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	12VDC/24VDC
1	1	1	1、2、4	1	1、2	1	1	1、2	1
8x350ohm	8x350ohm	8x350ohm	8x350ohm	4x350ohm	8x350ohm	4x350ohm	8x350ohm	8x350ohm	8x350ohm
1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V	1~3 mV/V		1~3 mV/V
5VDC	5VDC	5VDC	5VDC	5VDC	5VDC	5VDC	5VDC		5VDC
Dual-line six-digit LED display	7+14 bit LED digital tube (dual-line)	7+14 bit LED digital tube (dual-line)	Dual-line six-digit LED display	Six-digit LED display	Six-digit LED display		Six-digit LED display	Six-digit LED display	Six-digit LED display
300,000d	300,000d	300,000d	300,000d	300,000d	300,000d	300,000d	300,000d	300,000d	300,000d
≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤400 times/s	≤80 times/s
+2	+4	+4	+4				+8		
+4	+8	+4	+6				+8		
			•						
			•						
			•						
			•						
			•						
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•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
		•	•						
•			•	•			•		
									Lead Acid/Lithium Rechargeable Battery
			45x123x104	92x74x36.7	92.9x29.2x91	50.5x82x21.5	102x132x35	108x22.6x115	
									220x150x124
									220x150x113
110x62x135	172x92x84	169x97x156							
	151x76								

LWT650TPD

LWT650TPD is a process weighing and control instrument with touch screen display. The system, with RS232/485 serial port or Ethernet interface, can be used for single or multiple networked control systems, with historical data automatically stored in the report and exported to EXCEL file via USB. Mainly used in industrial process weighing, filling, packaging, batching, checkweighing, sorting, force measurement and other industrial fields.



Smoother touch operation

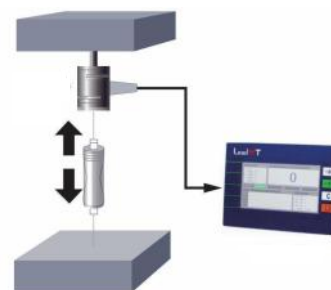
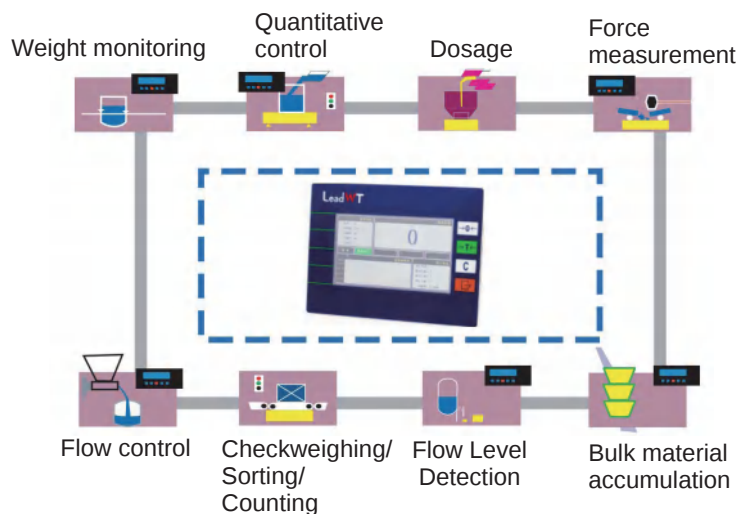


- 7-inch colour touch display with higher sensitivity and smoother touch experience.

Efficient data transfer



- Provides convenient and efficient data management and transmission regardless of time and place.
- Supports standard USB port and Ethernet communication to meet the needs of a variety of applications.



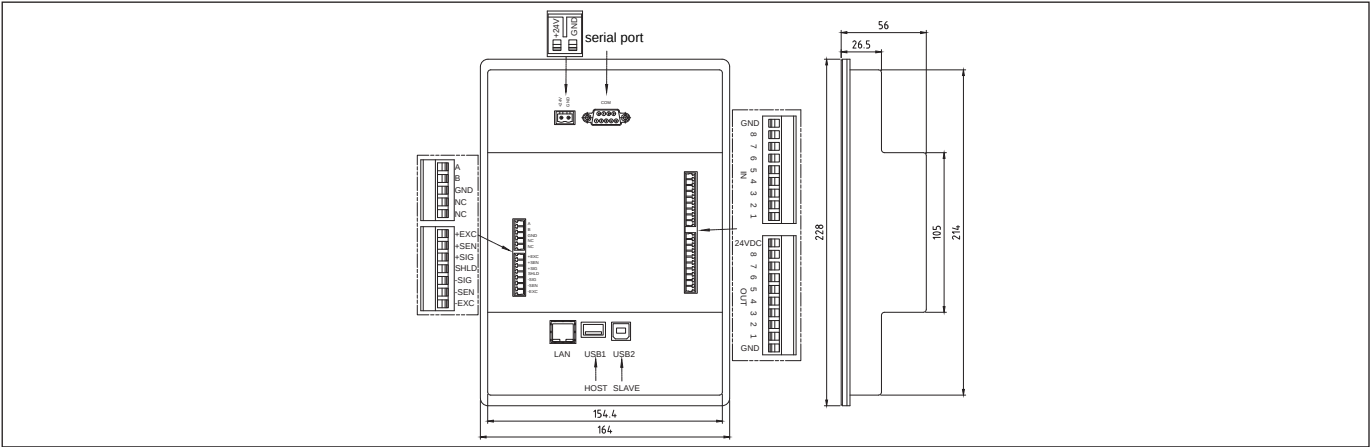
Tensile testing



Technical features

Parameters		Units	LWT650TPD
Outline	Type		Panel-mounted, Dustproof type
	Dimensions	mm (in)	228×164×56 (8.98×6.46×2.2)
	Shipping weight	kg(lb)	2.1 (4.63)
	Protection		Panel type : IP65; Dustproof type : IP67
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % ,non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % ,non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	/
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cells		Up to 8 350Ω load cells,1~3mV/V
	Number of scales		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale calibration
Display	Type		7-inch touch screen Screen refresh rate : 20 times/s
	Character height	mm	/
	Display		Max display resolution 500,000d
Keyboard			4 physical keys
Digital input/output		Standard	8 Inputs &8 Outputs Voltage range high: 14 ~ 24 VDC;Voltage range low: 0 ~ 5 VDC
Certification			CPA:2024ED011-32 CE-EMC:CN24159C 001

Outline dimensions



LWT610P

LWT610P is a kind of advanced Delta-Sigma AD conversion technology, mainly used in the industrial process of filling, packaging, dosing, check-weighing, sorting and other occasions, through the RS232/485 serial port, PROFIBUS, PROFINET, industrial Ethernet communication, it is easy to form a system with touch screen or PLC.

Suitable for grease, pesticide, beverage, dairy, concrete, rubber, chemical industry.



Batching



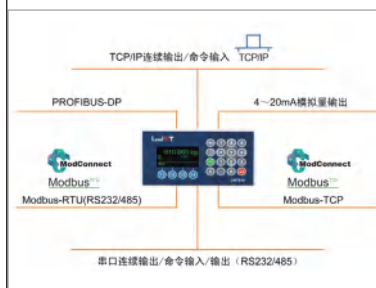
- 1-8 material batching
- Automatic correction of the advance
- Two discharge modes: Empty and Dose
- Semi-automatic and fully automatic batching modes.
- Sequential and random batching modes.
- Overrun detection, manual and automatic replenishment.
- Accumulation of batching results
- Batching status memory at power down and recovery at power up.
- Under/Over auxiliary comparator, zero tolerance comparator.
- Serial port automatic printing of batching records and statistics report.
- Automatic storage of batching printouts on USB stick.

Check weighing



- Detects objects in motion in less than 1 second and sorts/classifies the detection results
- Supports up to 8 zones of sorting
- Weight-triggered checkweighing and photoelectric switch-triggered checkweighing.
- Out of tolerance alarm output, system error alarm output
- Rejection of excess tolerance
- Input of the serial number (S/N) of the test object
- Printing and storage of checkweighing results (on USB stick).
- Printing of statistical reports on checkweighing results

Multiple field bus interfaces



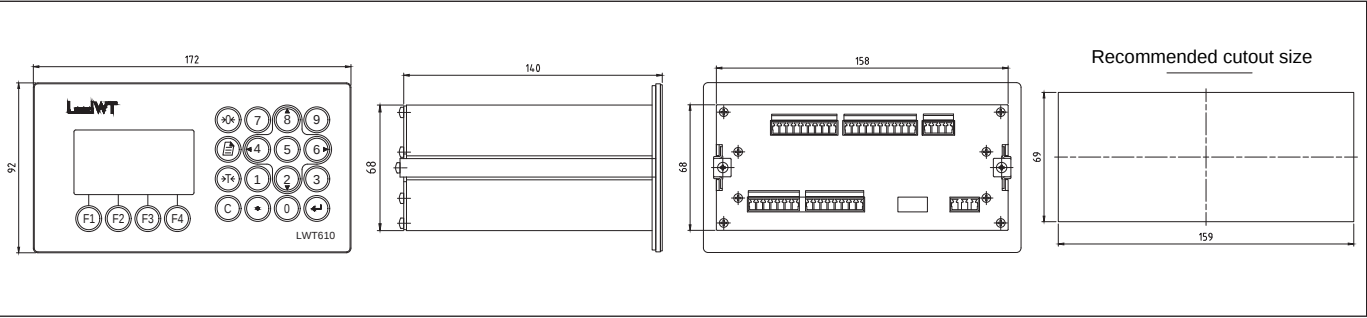
- Remote large screen can display the inspection results by connecting through serial port
- Modbus-RTU, Modbus-TCP, PROFIBUS to share checkweighing results.



Technical features

Parameters		Units	LWT610P
Outline	Type		Panel type: stainless steel front and rear panels, aluminium body Dustproof type: full stainless steel frame
	Dimensions	mm (in)	172×92×140 (6.77×3.62×5.51)
	Shipping weight	kg(lb)	1.4 (3.09)
	Protection		Panel type : IP65 Dustproof type : IP67
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	PROFINET、EtherNet/IP , Modbus-TCP , TCP/IP,CC-Link,Analog, PROFIBUS DP
Power requirement		VDC/mA	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale; Multi-point (3-point) linear calibration;Calibration-free
Display	Type		3.2-inch OLED display Screen refresh rate : 20 times/s
	Character height	mm	/
	Display		Max display resolution 300,000d
Keyboard			24-key all-numeric keypad
Digital input/output		Standard	8 Inputs &12 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC
Certification			CPA:2024ED011-32 ; CE-EMC:CN24LGBB 001

Outline dimensions



LWT610C

LWT610C is mainly used in the industrial process of filling, packaging, batching, checkweighing, sorting, and other occasions, through the RS232/485 serial port, PROFIBUS, PROFINET, industrial Ethernet communication, it is easy to form a system with a touch screen or PLC. Suitable for grease, pesticide, beverage, dairy, concrete, rubber, chemical.

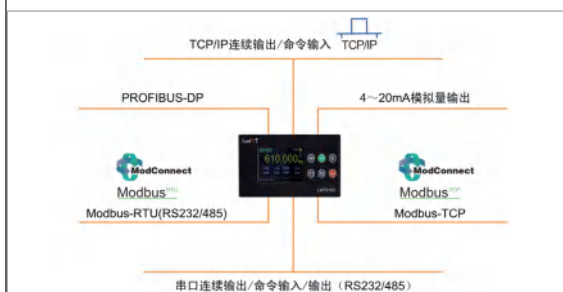


Batching



- 1-8 material batching
- Automatic correction of the advance
- Two discharge modes: Empty and Dose
- Semi-automatic and fully automatic batching modes.
- Sequential and random batching modes
- Overrun detection, manual and automatic replenishment.
- Accumulation of batching results
- Batching status memory at power down and recovery at power up.
- Under/Over auxiliary comparator, zero tolerance comparator.
- Serial port automatic printing of batching records and statistics report.
- Automatic storage of batching printouts on USB stick.

Multiple field bus interfaces



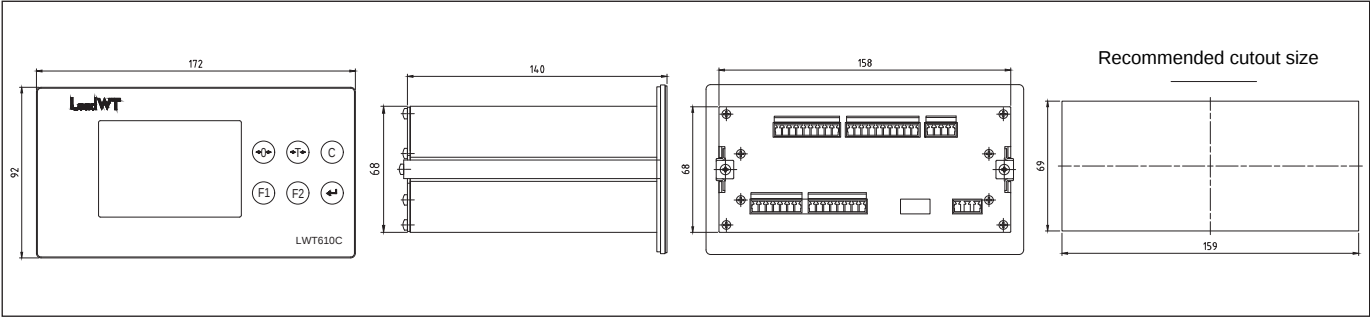
- Remote large screen can display the inspection results by connecting through serial port
- Modbus-RTU, Modbus-TCP, PROFIBUS to share checkweighing results.



Technical features

Parameters		Units	LWT610P
Outline	Type		Panel type: stainless steel front and rear panels, aluminium body Dustproof type: full stainless steel frame
	Dimensions	mm (in)	172×92×140 (6.77×3.62×5.51)
	Shipping weight	kg(lb)	1.3 (2.87)
	Protection		Panel type : IP65 Dustproof type : IP67
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	PROFINET、EtherNet/IP , Modbus-TCP , TCP/IP,CC-Link,Analog, PROFIBUS DP
Power requirement		VDC/mA	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale; Multi-point (3-point) linear calibration;Calibration-free
Display	Type		3.5-inch touchscreen colour display Screen refresh rate : 20 times/s
	Character height	mm	/
	Display		Max display resolution 300,000d
Keyboard			6 physical keys
Digital input/output		Standard	8 Inputs &12 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC
Certification			CPA:2024ED011-32 ; CE-EMC:CN24LGBB 001

Outline dimensions



LWT650W

LWT650W is a panel-mounted process control instrument mainly used in logistics, packaging and dosage industries.

Equipped with RS232/485 serial port, 7IN/40UT, RJ45 network port, it is easy to form a system with touch screen or PLC.



High-speed



- LWT650W is a logistics dual scale instrument, with adaptive parameter algorithms, weight retention processing algorithms tailored to the specific applications of the logistics industry, and an excellent 800 Hz update rate for the PLC. Ideal for logistics, packaging and batching.

Integrated convenience



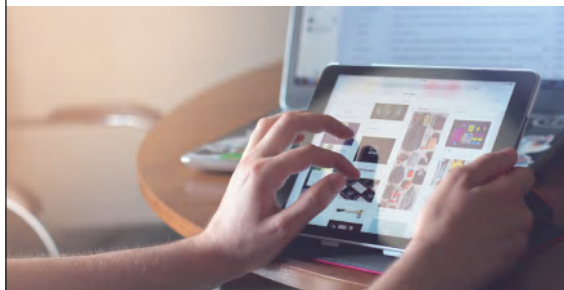
- Support AC or DC power supply to meet different site conditions. Standard serial interface RS232/RS485, optional analogue output, flexible system integration capability, easy to achieve weight data of hazardous area and safety zone system networking control

HMI



- Logistics dual scale data display, user-friendly interface. Print templates support custom editing. User provided maintenance diagnostic and analysis log function. Unique shortcut.

Maintains



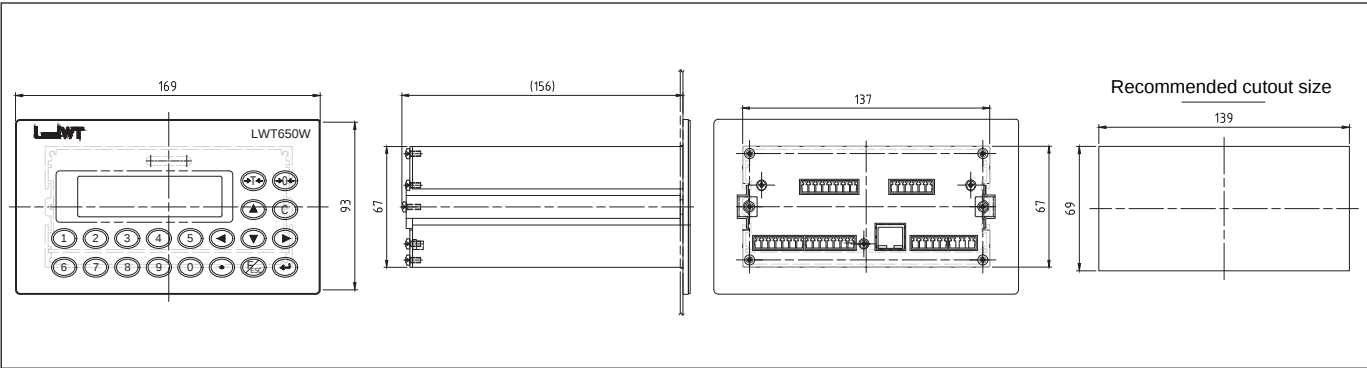
- Supports Web-server remote configuration and maintenance diagnostics.
- PLC interface supports remote calibration, no need to operate the transmitter to complete the calibration process.



Technical features

Parameters		Units	LWT650W
Outline	Type		Panel-mounted, stainless outline
	Dimensions	mm (in)	169×93×156 (6.65×3.66×6.14)
	Shipping weight	kg(lb)	1.3 (2.87)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104),humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140),humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	Modbus-TCP , TCP/IP
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8+8 350Ω load cells,1~3mV/V
	Number of scale		2
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale calibration
Display	Type		3.2-inch OLED Screen refresh rate : 20 times/s
	Character height	mm	/
	Display		Max display resolution 300,000d
Keyboard			20 physical keys
Digital input/output		Standard	7 Inputs &4 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC
Certification			CPA:2024ED011-32; CE-EMC:CN24159C 001

Outline dimensions



LWT650KD2

LWT650KD2 is a panel mounted process control instrument, mainly used in logistics, packaging, batching industry. Equipped with RS232/485 serial port, 7IN/40UT, RJ45 network port, it is easy to form a system with touch screen or PLC.



LWT algorithm



- Specialized instrumentation for logistics dual scales, with adaptive parameter algorithms tailored to the specific applications of the logistics industry, weight retention processing algorithms, and proprietary weighing algorithms for high-speed, high-precision application scenarios.
- Advanced filtering technology minimizes weighing errors caused by vibrations common in high-speed sorting situations.

High speed and high accuracy



- With high speed and high accuracy weighing performance, the Maximum 800 A/D updates per second, display accuracy 500000d.

Convenient operation



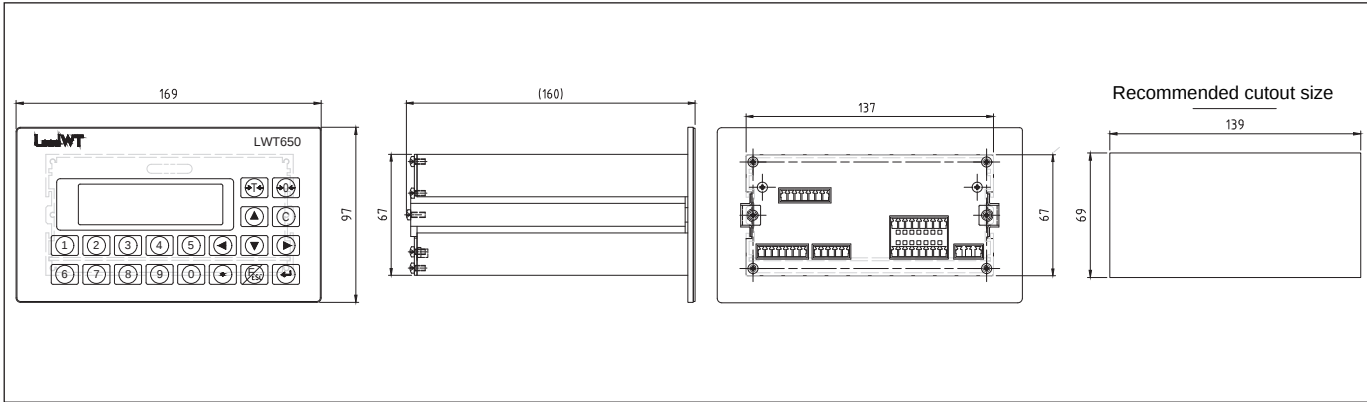
- Support TCP/IP protocol, with remote control function. Convenient for remote operation through serial port and Ethernet.



Technical features

Parameters		Units	LWT650KD2
Outline	Type		Panel type: stainless steel front and rear panels, aluminium body
	Dimensions	mm (in)	169×97×160 (6.65×3.82×6.3)
	Shipping weight	kg(lb)	1.3 (2.87)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104), humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140), humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	Modbus-TCP , TCP/IP
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		dual channel,each up to 8 350Ω load cells,1~3mV/V
	Number of scale		2
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale
Display	Type		3.2-inch OLED display Screen refresh rate: 20 times/s
	Character height	mm	/
	Display		Max display resolution 300,000d
Keyboard			all-numeric keypad
Digital input/output		Standard	7 Inputs &4 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC
Certification			CPA:2024ED011-32 ; CE-EMC:CN24159C 001

Outline dimensions



LWT650PL / LWT650PE

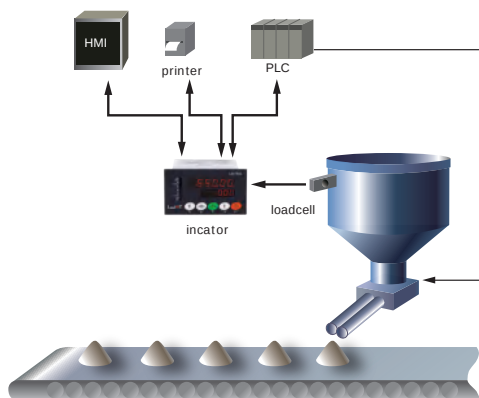
The LWT650PL is easy to form a system with a touch panel or PLC via a variety of industrial buses. LWT650PE is easy to form a system with touch panel or PLC through RS232/485 serial port, Profibus, Ethernet communication.

LWT650PL and LWT650PE are panel mounted process control instruments, mainly used in industrial processes such as filling, packaging, batching, etc. Both are suitable for fats, oils and grease, pesticides, beverages, dairy products, concrete, rubber, chemical industry, food and other industrial areas.

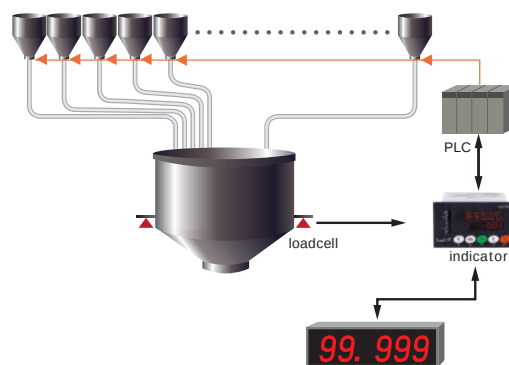


Features and uses

- Analogue filtering combined with adjustable digital filtering, anti-electromagnetic interference, anti-external vibration
- High-speed and high-precision weighing performance, LWT650PE can reach up to 800 A/D updates per second; LWT650PL can reach up to 400 A/D updates per second
- Suitable for a wide range of weighing scenarios:



Batching



check-weighing



Filling



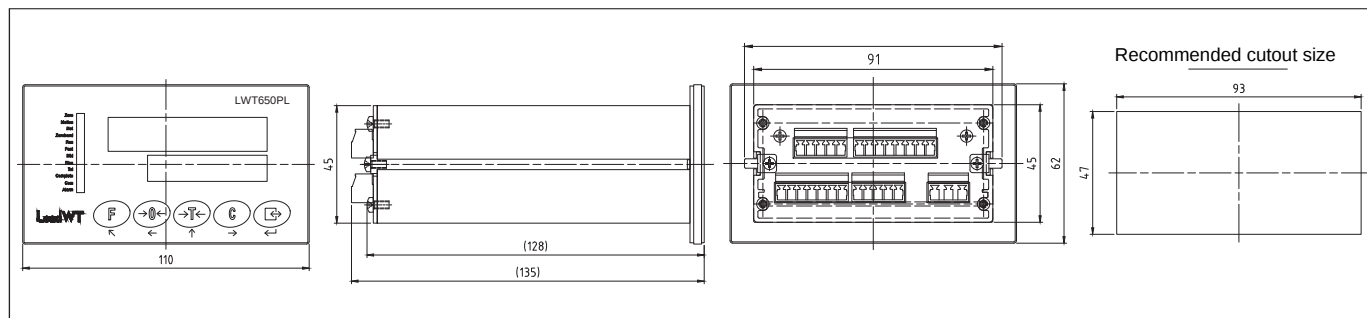
Concrete Mixing



Technical features

Parameters		Units	LWT650PE	LWT650PL
Outline	Type		Panel-mounted	
	Dimensions	mm (in)	110×62×135 (4.33×2.44×5.31)	
	Shipping weight	kg(lb)	0.6 (1.32)	
	Protection		IP65	
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing	
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing	
Measurement rate	PLC interface update rate	Hz	400	
	Digital filter		Multistage dynamic digital filter	
Communication		Standard	RS232,RS485, support Modbus-RTU	
		Optional	PROFINET、EtherNet/IP , Modbus-TCP , TCP/IP,PROFIBUS DP	Analog
Power requirement		VDC/mA	12-36, Nominal 24 DC Power or 220 VAC	
Scale	Type of scale		Analogue Load Cells , mV/V	
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V	
	Number of scale		1	
	Load cell excitation	VDC	5	
	μV build recommended / approved	μV	0.1/1.67	
	Calibration		Zero/full scale;Calibration-free	Zero/full scale; Multi-point (3-point) linear calibration;Calibration-free
Display	Type		6-digit LED display (dual line) Screen refresh rate: 20 times/s	
	Character height	mm	21.5(0.85)	
	Display		Max display resolution 300,000d	
Keyboard			5 physical keys	
Digital input/output		Standard	/	4 Inputs & 6 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC
Certification			CPA:2024ED011-32 ; CE-EMC:CN24159C 001	

Outline dimensions



LWT650CL

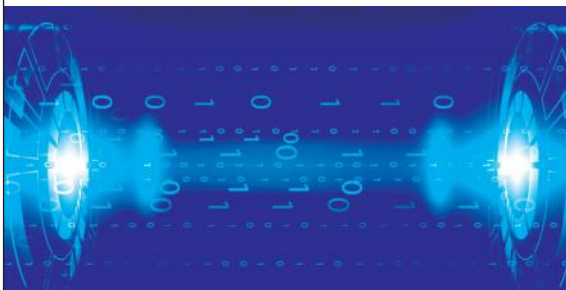
LWT650CL is a panel mounted force measurement and control indicator, mainly used in factory automation production process of force control and measurement of applications, suitable for mobile phone press force, insertion and extraction force, tension control. Through RS232/485 serial port or analogue, it is easy to form a system with touch screen or PLC.



Features and uses

- Communication interface: 2 independent communication ports
- 1 RS232 and 1 RS485 dual serial communication port, support MODBUS-RTU.
- Support sample hold, average hold, peak hold, inflection point hold, interval detection.
- Weight-triggered force control and I/O-triggered force control.

Efficient data transfer

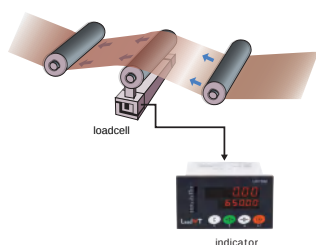


- High/Medium/Low Selectable A/D weight update speeds at 3 speeds.
- Provides convenient and efficient data management and transmission regardless of time and place.

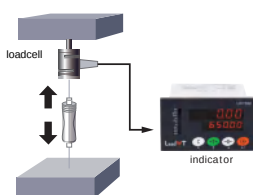
Energy efficient and low power consumption design



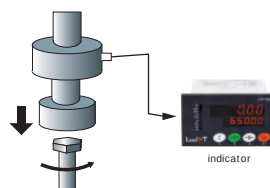
- 24V DC power supply, wide voltage low power consumption design



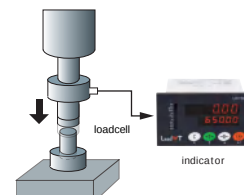
Tension measurement



Tensile&pull test



Torque management



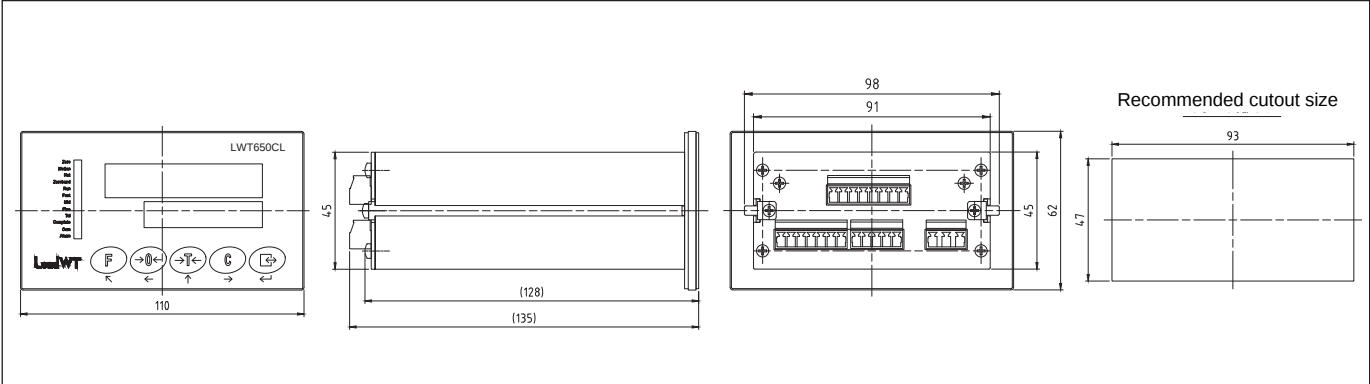
Pressure management



Technical features

Parameters		Units	LWT650CL
Outline	Type		Panel-mounted
	Dimensions	mm (in)	110×62×135 (4.33×2.44×5.31)
	Shipping weight	kg(lb)	0.6 (1.32)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	Analog
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale; Multi-point (3-point/5-point) linear calibration;Calibration-free
Display	Type		6-digit LED display(dual line) Screen refresh rate: 20 times/s
	Character height	mm	21.5 (0.85)
	Display		Max display resolution 300,000d
Keyboard			4 physical keys
Digital input/output		Standard	2 Inputs &4 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC
Certification			CPA : 2024ED011-32 ; CE-EMC : CN24159C 001

Outline dimensions



LWT650BY

LWT650BY is a panel mounted process control instrument, mainly used in industrial processes such as filling, packaging, batching, etc. Through RS232/485 serial port, Profibus Ethernet communication, it is easy to form a system with touch screen or PLC.

It is suitable for grease, pesticide, beverage, dairy, concrete, rubber, chemical, food and other industrial fields.



High precision weighing performance



- up to 800HZ A/D updating, display resolution 300000d

High anti-interference capability



- Analog filtering and adaptive digital filtering, anti-electro-magnetic interference, anti-external vibration

Low-power&energy-efficient design



- DC24V power supply, wide voltage&low power consumption design

Support multiple options



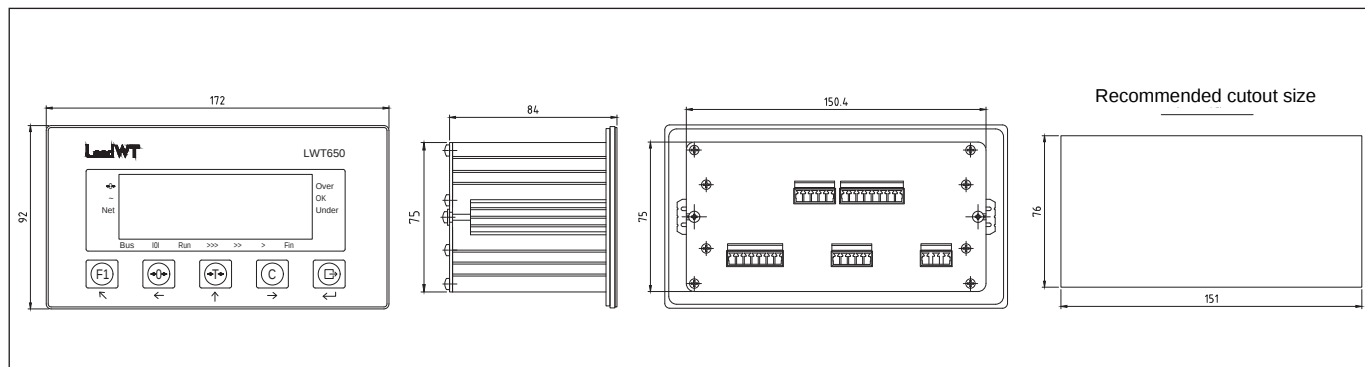
- 1 RS232 and 1 RS485 dual serial communication ports, dual Ethernet, support Modbus-RTU/TCP, ProfiNet



Technical features

Parameters		Units	LWT650BY
Outline	Type		Panel-mounted and dustproof
	Dimensions	mm(in)	172×92×84 (6.77×3.62×3.31)
	Shipping weight	kg(lb)	1.3 (2.87)
	Protection		Panel-mounted type : IP65 Dustproof type : IP67
	Service environment		-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment		-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	Modbus-TCP , TCP/IP
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale ;Calibration-free
Display	Type		7+14 bit LED digital tube (double line) Screen refresh rate : 20 times/s
	Character height	mm	13.97 (0.55)
	Display		Max display resolution 300,000d
Keyboard			4 physical keys
Digital input/output			4 Inputs & 8 Outputs Voltage range high: 14 ~ 24 VDC;Voltage range low 0 ~ 5 VDC
Certification			CPA:2024ED011-32 : CE-EMC:CN24159C 001

Outline dimensions



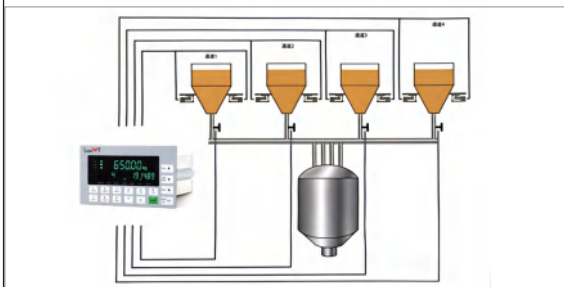
LWT650U

LWT650U is a panel mounted process control instrument, mainly used in industrial processes such as filling, packaging, batching, etc. It supports RS232/485 serial ports, and can easily form a system with touch screen or PLC via Modbus RTU.

It is suitable for grease, pesticide, beverage, dairy, concrete, rubber, chemical, food and other industrial fields.



Packaging functions fully compatible



- Three-speed control of preset points, automatic dropout compensation
- Automatic weight confirmation before loading
- Automatic zero setting before start of filling
- Automatic totalisation after dosage
- Simple comparison and sequential control methods

Bag Clip Control



- With bag clamp control without weighing hopper mode
- With bag clamping control with weighing hopper mode

Serial port support



- Continuous output weight
- Command Input/Output
- MODBUS-RTU configuration

Low-power&energy-efficient design



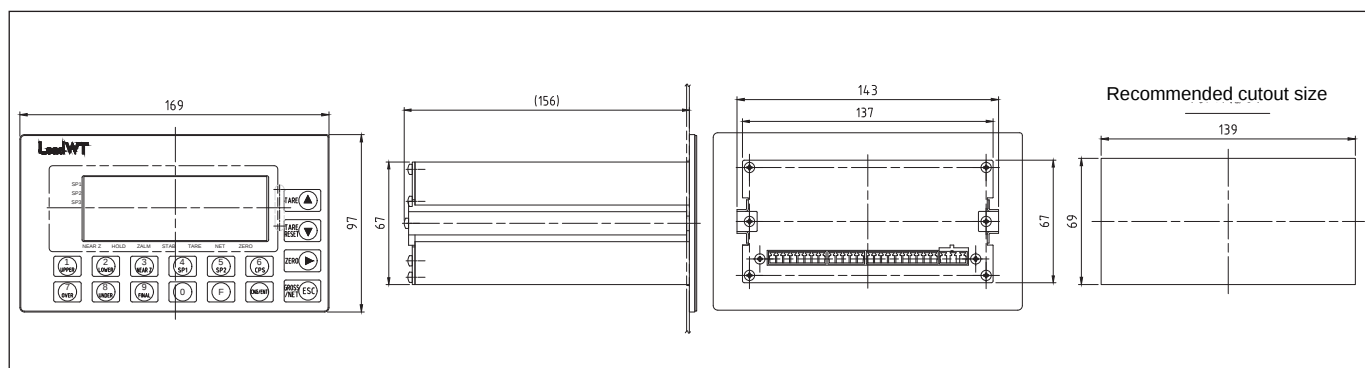
- Power supply 85-264VAC, 49-61Hz, maximum power consumption less than 8W.



Technical features

Parameters		Units	LWT650W
Outline	Type		Panel-mounted
	Dimensions	mm (in)	139×69×156 (5.47×2.72×6.14)
	Shipping weight	kg(lb)	1.2 (2.65)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	/
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended	μV	0.1/1.67
Display	Calibration		Zero/full scale calibration
	Type		7+14 bit LED digital display (dual line) Screen refresh rate : 20 times/s
	Character height	mm	25.8 (1.02)
Keyboard	Display		Max display resolution 300,000d
	Keyboard		16 physical keys
Digital input/output		Standard	4 Inputs &4 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC

Outline dimensions



LWT650TE

LWT650TE is a stainless steel DIN rail (DIN) mounted process control instrument, mainly used in industrial processes such as multi-head filling, packaging, batching, check-weighing and other occasions, through Profinet, MODBUS-TCP, Ethernet/IP, RS232/485, it is easy to form a system with a touch screen or PLC.



High speed



- LWT650TE offers high speed, high accuracy weighing performance with up to 800 A/D up dates per second.
- Single or multi-channel, up to 4 independent measurement channels are supported for increased productivity.

Connectivity



- Supports various field buses with remote control function, convenient for remote operation via serial port and Ethernet.
- Flexible system integration capabilities to improve processing efficiency and speed without compromising accuracy.

Tight fitting case



- The tight DIN-rail housing saves valuable control cabinet space.
- Keypad and display allow setup and control directly on the indicator.

Strong anti-interference ability



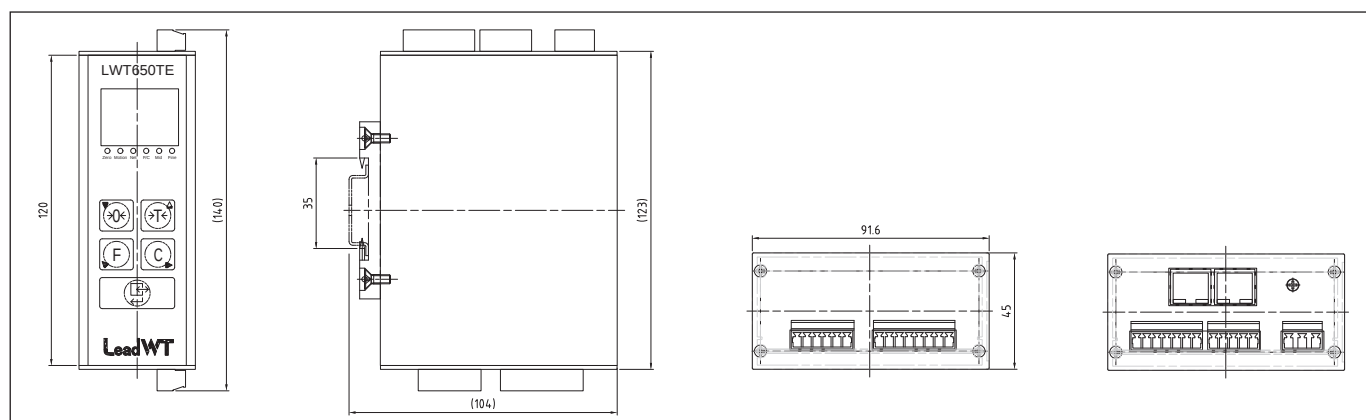
- The combination of analogue filtering and adjustable digital filtering is highly resistant to electromagnetic interference and external vibration.



Technical features

Parameters		Units	LWT650TE
Outline	Type		DIN-rail mounted, Stainless steel body
	Dimensions	mm (in)	45×123×104 (1.8×4.8×4.1)
	Shipping weight	kg(lb)	0.5 (1.1)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	PROFINET、EtherNet/IP、 EtherCAT , Modbus-TCP , TCP/IP,
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells or up to 20 100Ωload cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale; Multi-point (3-point/5-point) linear calibration;Stepwise substitution calibration;Calibration-free
Display	Type		6-bit LED digital display (dual line), 5-way LED status indicator
	Character height	mm	6.3 (0.25)
	Display		Max display resolution 300,000d
Keyboard			5 physical keys
Digital input/output		Standard	4 Inputs &6 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC
Certification			CPA:2024ED011-32 ; CE-EMC:CN24159C 001

Outline dimensions



LWT650LC

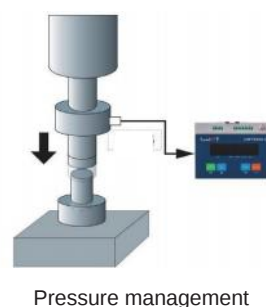
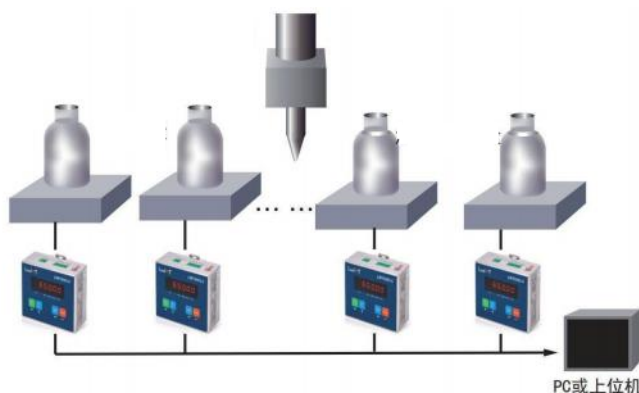
LWT650LC is a DIN-rail mounted weighing indicator with Delta-sigma analogue conversion and digital filtering technology.

Through the digital processing of the weak weight signal output from the load cell (group), it outputs the corresponding analogue signal to the user's upper system, and it can easily form a weighing system with touch screen or PLC through RS232, RS485 or 4~20mA, 0~5V, 0~10V communication.

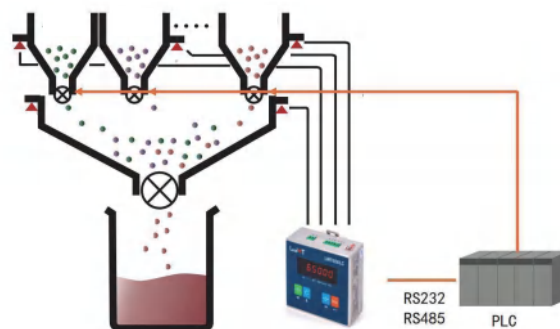


Features and uses

- Highly accurate weighing performance with up to 800 A/D updates per second and 300,000d display accuracy.
- Analogue filtering combined with adjustable digital filtering, anti-electromagnetic interference, anti-external vibration
- Various software configurations to support multiple application: concrete mixing, material level management, batching and other application scenarios.



Monocrystalline Furnace Weighing



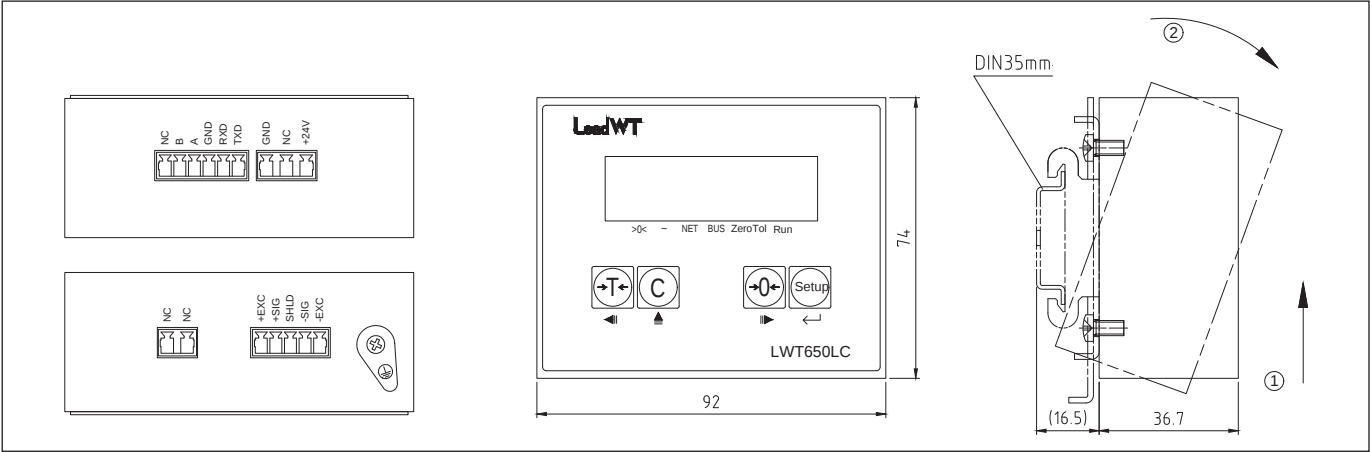
Dosage system applications



Technical features

Parameters		Units	LWT650LC
Outline	Type		DIN-rail mounted
	Dimensions	mm (in)	92×74×36.7 (3.62×2.91×1.44)
	Shipping weight	kg(lb)	0.8 (1.76)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	HZ	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	Analog
Power requirement		VDC/mA	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale; Calibration-free
Display	Type		6-digit LED digital tube, 6-channel LED status indicators Screen refresh rate : 20 times/s
	Character height	mm	6.9 (0.27)
	Display		Max display resolution 300,000d
Keyboard			4 physical keys
Digital input/output		Standard	/
Certification			CPA:2024ED011-32 ; CE-EMC:CN24159C 001

Outline dimensions



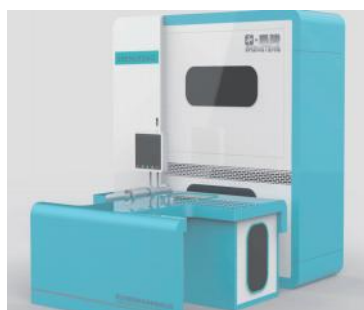
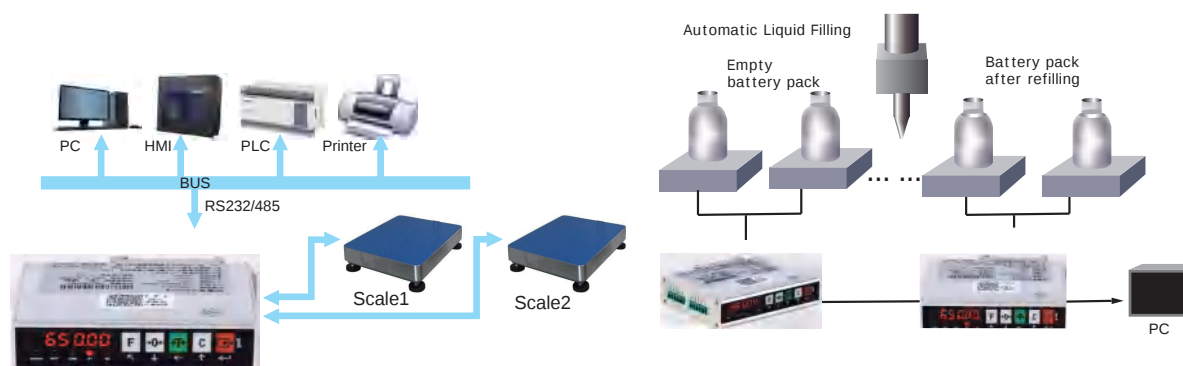
LWT650DM

LWT650DM is a DIN-rail mounted dual-channel weighing and transmitting instrument, with the latest Delta-Sigma AD conversion technology and RS232/485 serial communication, which makes it easy to set up a system with a touch screen or a PLC.



Features and uses

- High speed, high accuracy weighing performance, up to 800 A/D updates per second, display accuracy 300000d
- Analogue filtering combined with adjustable digital filtering, anti-electromagnetic interference and anti-external vibration.
- Single or dual channel weighing interface.
- 2 independent serial interfaces RS232, RS485, support Mod-bus communication.
- Suitable for battery liquid charging and cotton charging.



Application of down filling system



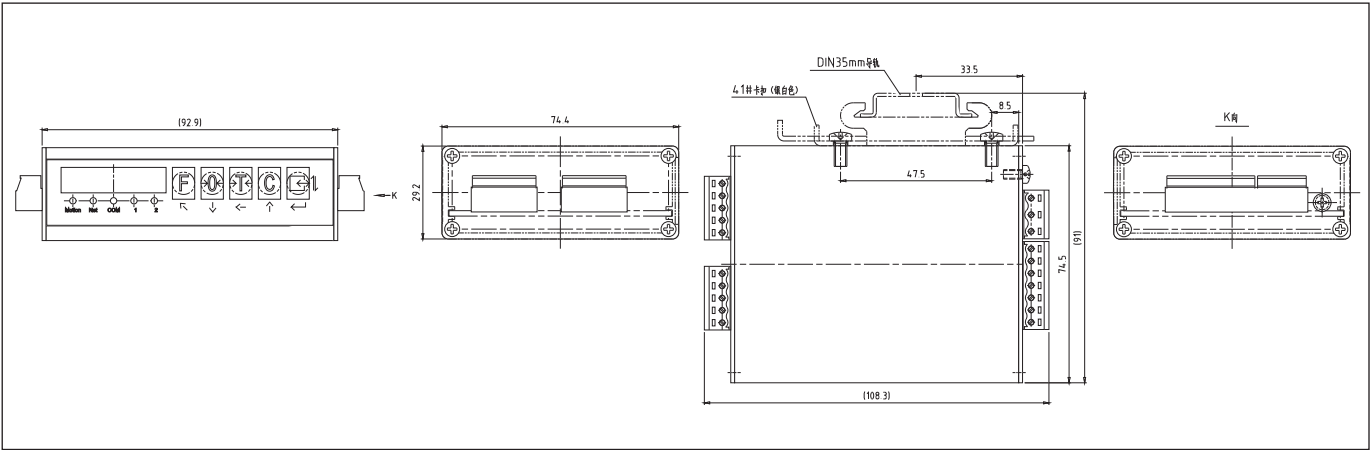
Tank weighing



Technical features

Parameters		Units	LWT650DM
Outline	Type		DIN rail mounted
	Dimensions	mm (in)	92.9×29.2×91 (3.66×1.15×3.58)
	Shipping weight	kg(lb)	0.5 (1.1)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	/
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1、 2
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale; Multi-point (3-point) linear calibration;Calibration-free
Display	Type		6-digit LED display, 5-channel LED status indicator Screen refresh rate : 20 times/s
	Character height	mm(in)	6.3 (0.25)
	Display		Max display resolution 300,000d
Keyboard			4 physical keys
Digital input/output		Standard	/
Certification			CPA : 2024ED011-32 ; CE-EMC : CN24159C 001

Outline dimensions



LWT650LA

LWT650LA is a DIN-rail mounted weighing indicator with Delta-Sigma analogue-to-digital conversion and digital filtering technology. By digitally processing the weak weight signals from the load cell (group), it outputs the corresponding analogue signals to the user's upper system.

It is easy to communicate with touch panel or PLC to form a weighing system through RS232 or 4~20mA, 0~5V, 0~10V.



Tight fitting case



- The tight DIN-rail housing saves valuable control cabinet space.
- Keypad and display allow setup and control directly on the indicator

Strong anti-interference ability

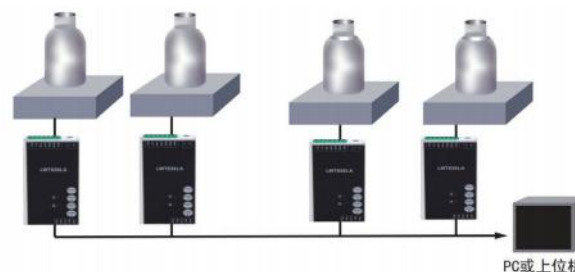


- The combination of analogue filtering and adjustable digital filtering is highly resistant to electromagnetic interference and external vibration.
- Two sampling speeds can be configured, and five types of digital filters can be selected and configured under each sampling rate.

Suitable for multiple weighing applications



Material Level Management



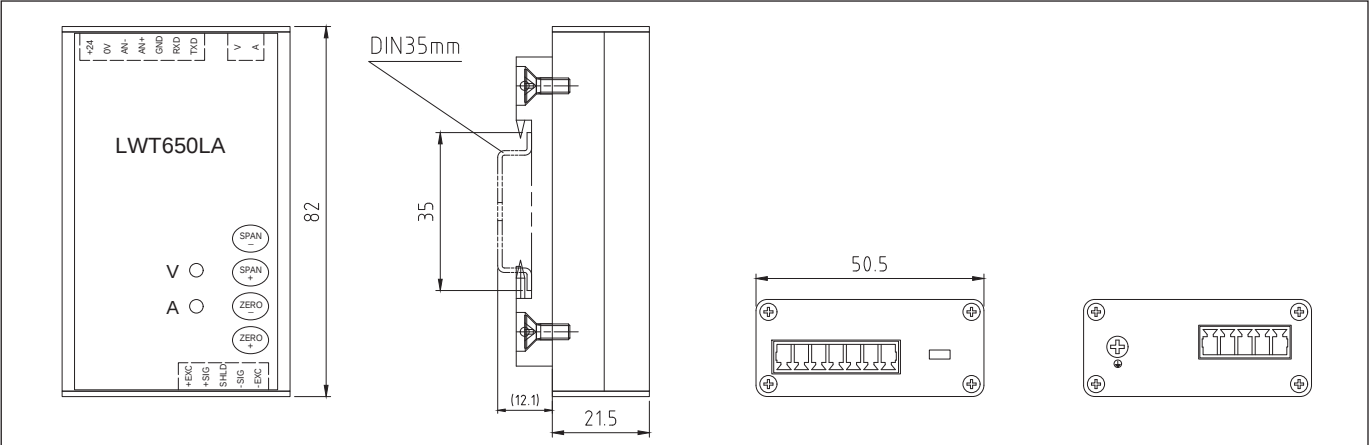
Speciality gas weighing



Technical features

Parameters		Units	LWT650LA
Outline	Type		DIN-rail mounted
	Dimensions	mm (in)	50.5×82×21.5 (1.99×3.23×0.85)
	Shipping weight	kg(lb)	0.3 (0.66)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,support Modbus-RTU
		Optional	Analog,
Power requirement		VDC/mA	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 4 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale
Display	Type		2-channel LED status indicators Screen refresh rate : 20 times/s
	Character height	mm	/
	Display		Max display resolution 300,000d
Keyboard			4 physical keys
Digital input/output		Standard	/
Certification			CPA:2024ED011-32;CE-EMC:CN24159C 001

Outline dimensions



LWT650TH

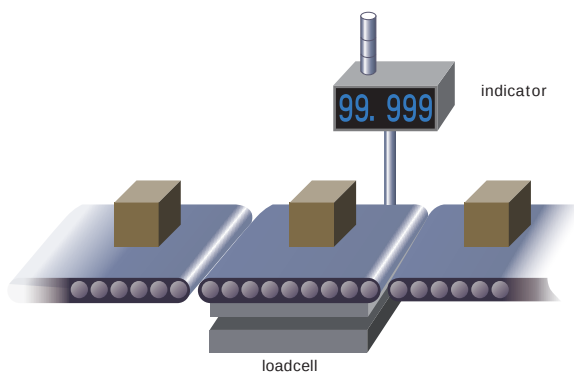
LWT650TH is a stainless steel DIN rail (DIN) mounted process control instrument, mainly used in industrial processes such as multi-head filling, packaging, dosing, check-weighing, sorting and other occasions, through the RS232/485, CAN serial communication, it is very easy to form a system with a touch screen or PLC.

It is suitable for pesticide, grease, beverage, chemical, feed, tobacco, powder metallurgy, pharmaceutical, food and other industrial fields.

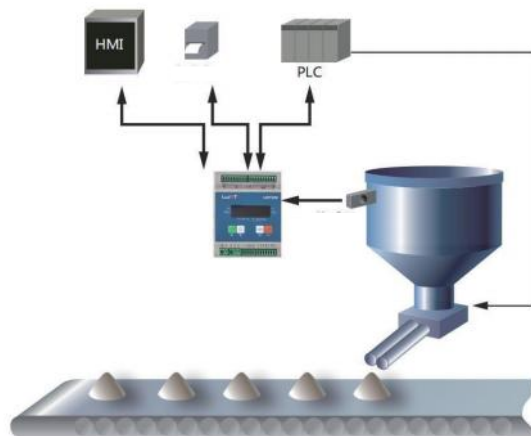


Features and uses

- High-speed, high-precision weighing performance, up to 800 A/D updates per second, display accuracy 500000d
- Analogue filtering combined with adjustable digital filtering, anti-electromagnetic interference, anti-external vibration
- 2 independent serial ports 232,485, support Mod-bus communication.
- Features rich IO interfaces, 8IN 8OUT, with different software configurations to support a variety of application.



Checkweighing Application System



weighing loss system



Multihead rotary weighing and filling system



sorting system



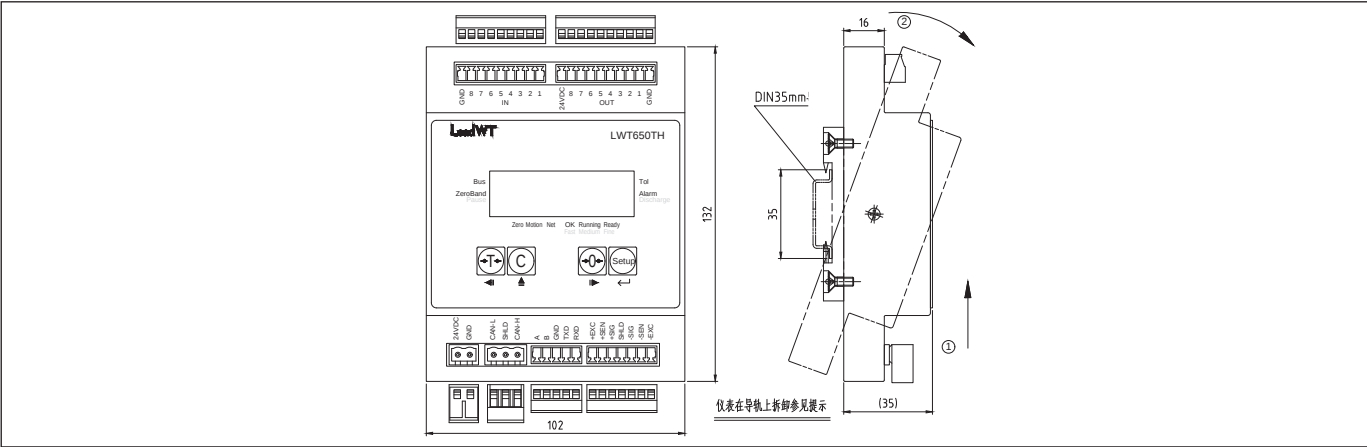
High-speed checkweighing system



Technical features

Parameters		Units	LWT650TH
Outline	Type		DIN-rail mounted
	Dimensions	mm (in)	102×132×35 (4.02×5.2×1.38)
	Shipping weight	kg(lb)	0.5 (1.1)
	Protection		IP65
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	/
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale;Calibration-free
Display	Type		6-digit LED digital display, 10-channel LED status indicators Screen refresh rate:20 times/s
	Character height	mm	6.7 (0.26)
	Display		Max display resolution 300,000d
Keyboard			4 physical keys
Digital input/output		Standard	8 Inputs & 8 Outputs Voltage range high: 14 ~ 24 VDC; Voltage range low 0 ~ 5 VDC
Certification			CPA:2024ED011-32;CE-EMC:CN24159C 001

Outline dimensions



LWT650KZD

LWT650KZD is a DIN-rail mounted dual-channel weighing and transmitting instrument, with the latest Delta-Sigma AD conversion technology and RS232/485 serial communication, which makes it easy to set up a system with a touch screen or a PLC.



Features and uses

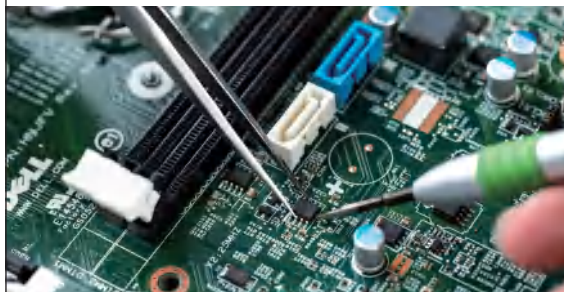
- 2 independent serial ports RS232, RS485, support Modbus communication.
- Suitable for battery liquid charging, down filling and cotton charging occasions

High-speed, high-precision weighing performance



- Up to 400 A/D updates per second with 30 0,000d display accuracy.
- Dual-channel weighing interface for high-speed checking of two weights simultaneously.

Strong anti-interference ability



- Analogue filtering combined with adjustable digital filtering, anti-electromagnetic interference and anti-vibration.

Applications



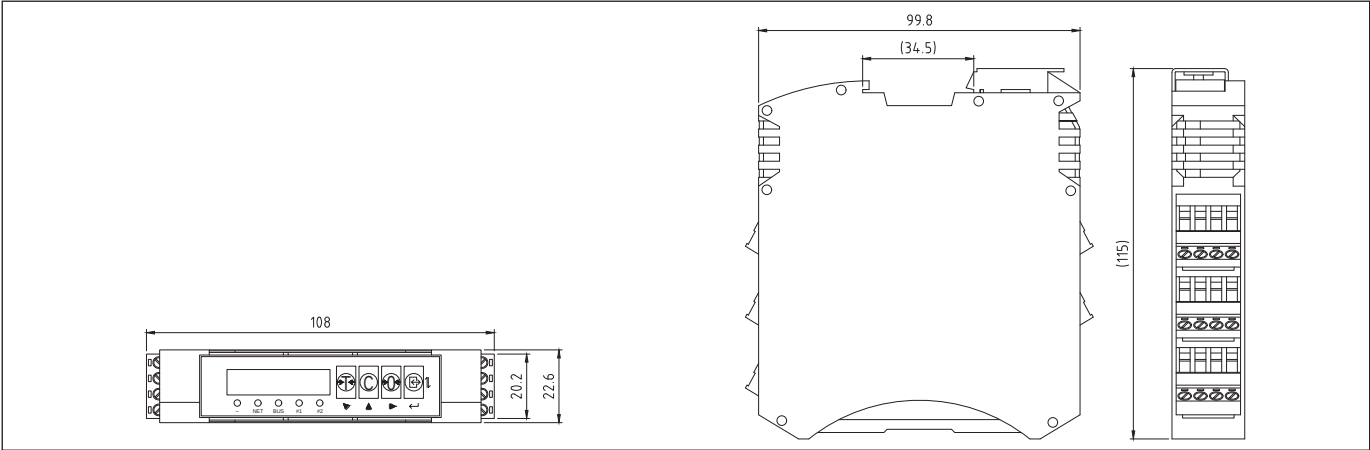
Lithium injection applications



Technical features

Parameters		Units	LWT650KZD
Outline	Type		Rail mounted, RS232 buckle for DIN rail
	Dimensions	mm (in)	108×22.6×115 (4.25×0.89×4.53)
	Shipping weight	kg(lb)	0.5 (1.1)
	Protection		IP54
	Service environment	()	-10 to 40 °C(14 to 104) , humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140) , humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	400
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	/
Power requirement		VDC	12-36, Nominal 24 DC Power or 220 VAC
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells ,1~3mV/V
	Number of scale		1, 2
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale
Display	Type		6-digit LED display, 5-channel LED status indicator Screen refresh rate : 20 times/s
	Character height	mm(in)	6.3 (0.25)
	Display		Max display resolution 300,000d
Keyboard			4 physical keys
Digital input/output		Standard	/
Certification			CPA:2024ED011-32; CE-EMC:CN24159C 001

Outline dimensions



LWT650-200L

LWT650-200L adopts Delta-sigma analogue-to-digital conversion and digital filter processing technology. It is mainly used for trade settlement, logistics weighing, animal weighing, counting, etc. Through RS232/485 serial communication, it is easy to form a weighing system with touch screen or PLC.

Features and uses

- High precision weighing performance, up to 160HZ A/D updating, display resolution 300000d
- Analog filtering and adaptive digital filtering, anti-electro-magnetic interference, anti-external vibration
- Support independent RS232 and RS485 communication (optional wireless WIFI, bluetooth)



Desktop



Dustproof

Bluetooth module



- Bluetooth module option available

Support various application scenarios:



Scales



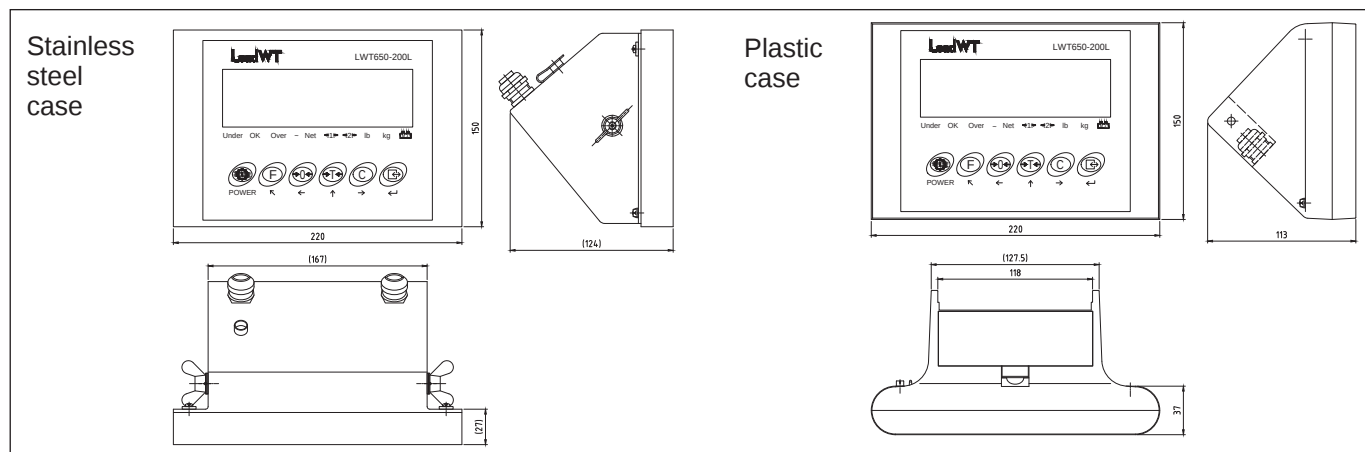
Logistics checkweighing



Technical features

Parameters		Units	LWT650-200L
Outline	Type		Desktop and dustproof
	Dimensions	mm(in)	Desktop type: 220x150x124(8.66*5.91*4.88) Dustproof type: 220x150x113 (8.66*5.91*4.45)
	Shipping weight	kg(lb)	Desktop type:1.0(2.2) Dustproof type:2.6(5.7)
	Protection		Desktop type : IP54 Dustproof type : IP67
	Service environment	()	-10 to 40 °C(14 to 104), humidity of 10 to 95 % , non-condensing
	Storage environment	()	-30 to 60 °C(-22 to 140), humidity of 10 to 95 % , non-condensing
Measurement rate	PLC interface update rate	Hz	80
	Digital filter		Multistage dynamic digital filter
Communication		Standard	RS232,RS485, support Modbus-RTU
		Optional	/
Power requirement		VDC	12VDC, nominal 12V DC power supply
Scale	Type of scale		Analogue Load Cells , mV/V
	Number of load cell		Up to 8 350Ω load cells,1~3mV/V
	Number of scale		1
	Load cell excitation	VDC	5
	μV build recommended / approved	μV	0.1/1.67
	Calibration		Zero/full scale
Display	Type		6-digit LED display Screen refresh rate : 20 times/s
	Character height	mm(in)	30.2 (1.19)
	Display		Max display resolution 300,000d
Keyboard			6 physical keys
Digital input/output		Standard	/
Certification			CPA : 2024ED011-32; CE-EMC : CN24159C 001

Outline dimensions



LD618 / LD628

The LD618 and LD628 Remote Indicators can be used as a second weight indicator, by receiving the weight data from the weight indicator controller, in applications where a second weight indication is required.

The LD618 and LD628 remote indicators can be connected via RS232, RS485 or SIF interface to any type of weight indicator from UNIPULSE, A&D, METTLER TOLEDO, or our company, to display the weight, the number of packs totalled, or the totalised weight (depending on the data sent by the weight indicator).

The LD628 can receive weight data from up to two display controllers.

For example: the LD628 remote indicator is mainly used at the packing site of a packaging scale (the scale instrument is located in the control room).



Features and uses

- Cabinet construction for easy installation and use.
- Display of the weight, the total number of packs or the totalised weight (depending on the data sent by the indicator controller).

Options

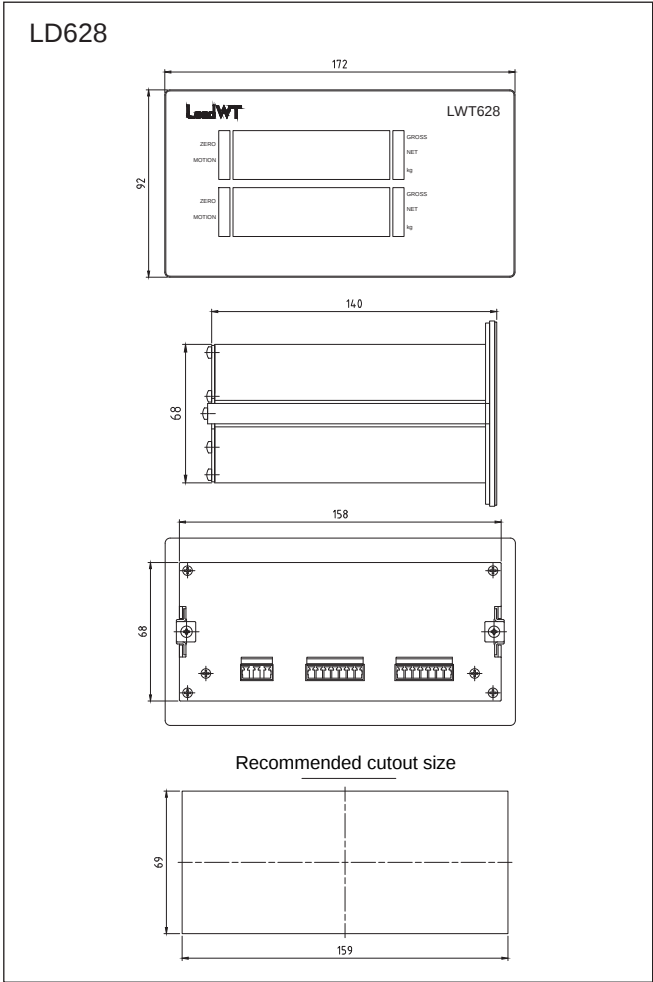
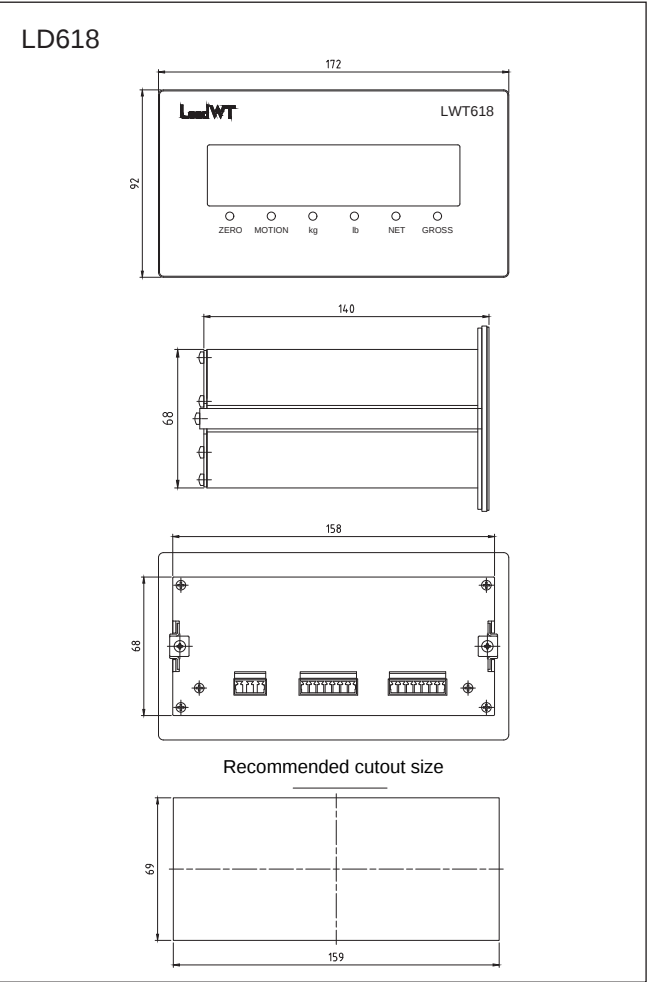
NO	Interface	Function
C0	SIF	618 counters
S0	SIF	618 UNIPULSE SIF
U0	RS232	618 UNIPULSE RS232
M0	RS232	618 Toledo Continuous Format
N0	RS485	618 Toledo Continuous Format RS485
CC	SIF + SIF	628 counters*2
SS	SIF + SIF	628 UNIPULSE SIF*2
UU	RS232 + RS232	628 UNIPULSE RS232*2
MM	RS232 + RS232	628 Toledo Continuous Format RS232*2
NN	RS485 + RS485	628 Toledo Continuous Format RS485*2
CS	SIF + SIF	628 counters+UNIPULSE SIF
CU	SIF + RS232	628 counters+UNIPULSE RS232
CM	SIF + RS232	628 counters+ Toledo Continuous Format RS232
CN	SIF + RS485	628 counters+ Toledo Continuous Format RS485



Technical features

Parameters		Units	LD618 & LD628
Outline	Dimensions	mm(in)	172×92×140 (6.77×3.62×5.51)
	Service environment		-10 to 40 °C, humidity of 10 to 95 % , non-condensing
Connectivity			RS232, RS485 or SIF interface
Power		VDC	DC 24V power supply
Display	Type		LD618 6-digit LED single line display, 6 LED status indicators LD628 6-digit LED dual-line display, 6 LED status indicators
	Character height	mm(in)	LD618:20.3 (0.80) LD628:14 (0.55)

Outline dimensions



Ex-LWT650-T4/T6

Ex-LWT650-T6 intrinsically safe explosion-proof weighing and control instrument, suitable for explosive gas environment or combustible dust environment, with the national explosion-proof agency NEPSI certification, can be used in chemical, pharmaceutical, petroleum, paint and other industrial explosion-proof occasions.



Features

- Combination of analog filtering and adjustable filtering to resist electromagnetic interference.
- Resistant to external vibration.

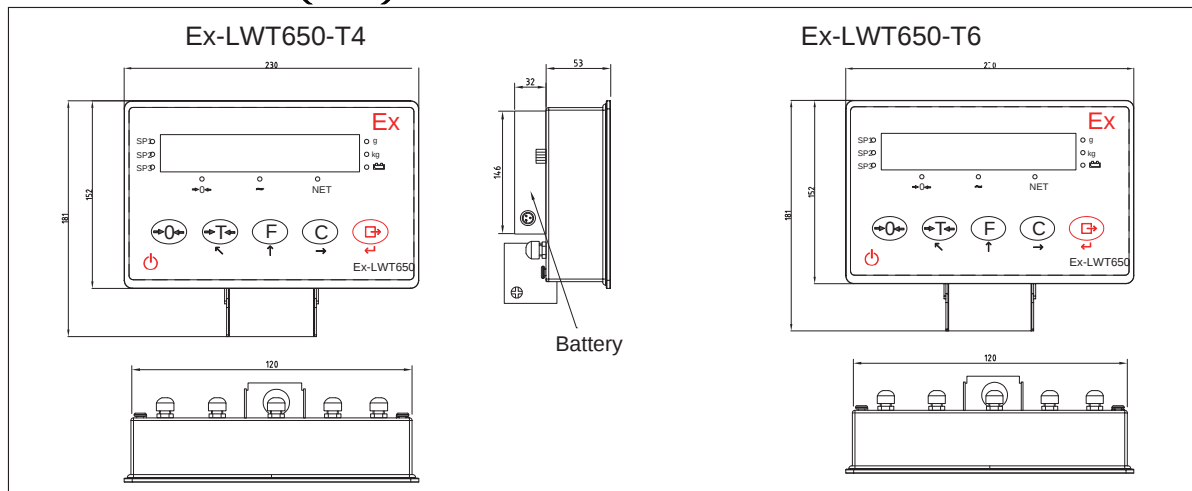
Power supply mode

- Intrinsically safe explosion-proof power supply: Ex-LWT-100AC/DC power supply
- Intrinsically safe explosion-proof battery: LH-BATT-5000 (option board not supported)

Technical features

Structure	Standing Pole, Wall Mount
Environment	-10°C to 40°C, 10% to 95% humidity, non-condensing
Power supply	Intrinsically safe explosion-proof power supply or battery power supply
Keyboard and Display	7-digit segment code LED display, 5 membrane keys
Weighing process	24-bit A/D conversion, up to 400 A/D updates per second, 300,000d display accuracy
Control interface	3IN 5OUT, I/O options available
Standard communication	RS232, RS485, support Modbus-RTU
PLC interface	4-20mA analog option available
Loadcell excitation	5V DC
Number of loadcells	Up to eight 350Ω sensors
Software update	Electrically erasable FLASH memory, can be upgraded through the communication interface
Explosion-proof grade marking	T4 : Ex ib IIC T4 Gb; Ex ib IIIC T130 Db T6 : Ex ib IIC T6 Gb; Ex ib IIIC T85 Db
Certificate of explosion-proof	T4 : GYB24.1426X T6 : GYB24.1427X

Outline dimensions (mm)



Ex-LWT-10A Safety Barrier

Intrinsically safe analog load cell safety barrier.

Model: Ex-LWT-10A

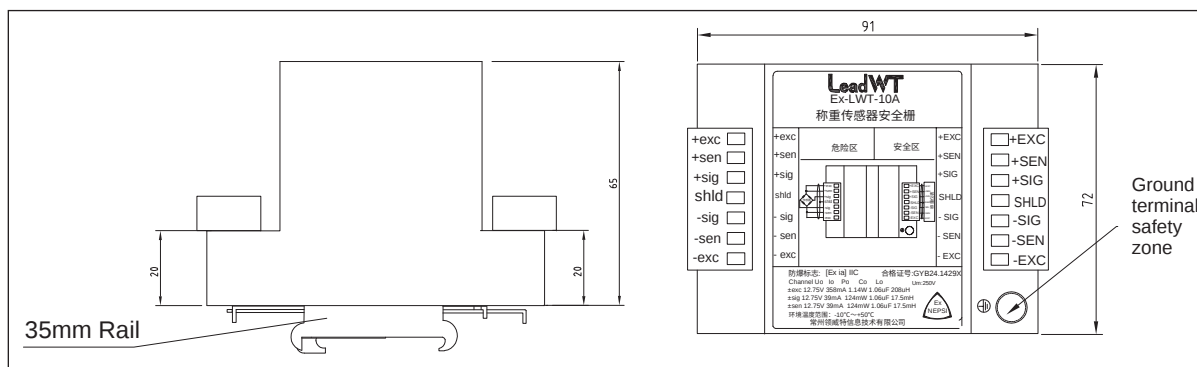
This product is designed and manufactured in strict accordance with GB/T3836.1-2021 Explosive atmospheres-Part 1: Equipment-General requirements and GB/T3836.4-2021 Explosive atmospheres-Part4: Equipment protection by intrinsic safety "i".



Technical features

Model	Ex-LWT-10A Safety barrier	
Intrinsically safe parameter	Output safety parameters	Loop (exc)
	Maximum output voltage(Uo)	12.75V
	Maximum output current(Io)	358mA
	Maximum Output Power (Po)	1.14W
	Maximum Allowable Output Capacitance(Co)	1.06uF
	Maximum Allowable Output Inductance(Lo)	208uH
		Loop (sig/sen)
	Maximum output voltage(Uo)	12.75V
	Maximum output current(Io)	39mA
	Maximum Output Power (Po)	0.124W
Environment	Maximum Allowable Output Capacitance(Co)	1.06uH
	Maximum Allowable Output Inductance(Lo)	17.5mH
	Relative humidity	≤90%
Environment	Operating temperature	-10 ~+50
	Atmospheric pressure	80 ~ 106kPa
Basic parameter	Explosion-proof grade	[Ex ia Ga]IIC
	Operating environment	Safe areas or inside explosion-proof boxes
	Shell material	304 stainless steel
	Sealing material	Epoxy resin
Mechanical property	Operating temperature	-20 ~+50
	Storage humidity	≤90%
	Installation	35mm Din rail
Others	Ground screw spec	M4×10
	Weight	0.5kg
Certificate of explosion-proof		GYB24.1429X

Outline dimensions (mm)



Ex-LWT-AJB-005

Intrinsically Safe Junction Box

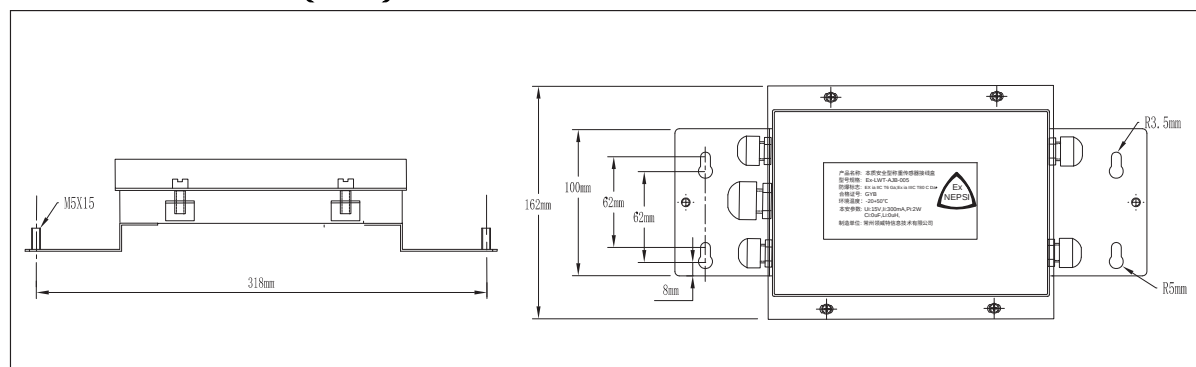
- Intrinsically Safe Load Cell junction Box
- Model:Ex-LWT-AJB-005
- Design and manufacture according to national standards GB3836.1-2021,GB3836.4-2021 and enterprise standards Q/FWIC006-2023.



Technical features

±EXC Loop		Ex-LWT-AJB-005 Connector
Intrinsically safe parameter	Maximum input voltage(Ui)	15V
	Maximum input current(Li)	300mA
	Maximum input power(Pi)	2W
	Maximum internal capacitance(Ci)	0uF
	Maximum internal inductance(Li)	0uH
±SEN,±SIG Loop		Ex-LWT-AJB-005 Connector
Intrinsically safe parameter	Maximum input voltage(Ui)	15V
	Maximum input short-circuit current(Li)	300mA
	Maximum Input Power (Pi)	2W
	Maximum internal capacitance(Ci)	0uF
	Maximum internal inductance(Li)	0uH
	Protection class	IP65
Environment	Relative humidity	≤ 90%
	Operating temperature	-20 ~+50
	Atmospheric pressure	80 ~ 106kPa
Basic parameter	Explosion-proof grade	Ex ia IIC T6 Ga;Ex ia IIIC T80 Db
	operating environment	Hazardous area
	Shell material	304 stainless steel
Mechanical property	Operating temperature	-20 ~+50
	Storage humidity	≤ 90%
	Installation	M10 X 10 screws
Others	Ground screw spec	M4 X 10
	Weight	1.5kg
Certificate of explosion-proof		GYB24.1430X

Outline dimensions (mm)



Ex-LWT-100

Intrinsically Safe Power Supply

Ex-LWT-100 intrinsically safe explosion-proof AC/DC power supply is an isolated associated equipment. As the associated equipment of Ex-LWT650 Intrinsically Safe Weighing and Display Controller, it has been approved by the National Instrument and Explosion-proof Safety Supervision and Inspection Station of the People's Republic of China. The product conforms to national standards GB/T3836.1-2021 Explosive atmospheres-Part 1: Equipment-General requirements and GB/T3836.4-2021 Explosive atmospheres-Part 4: Equipment protection by intrinsic safety "i".

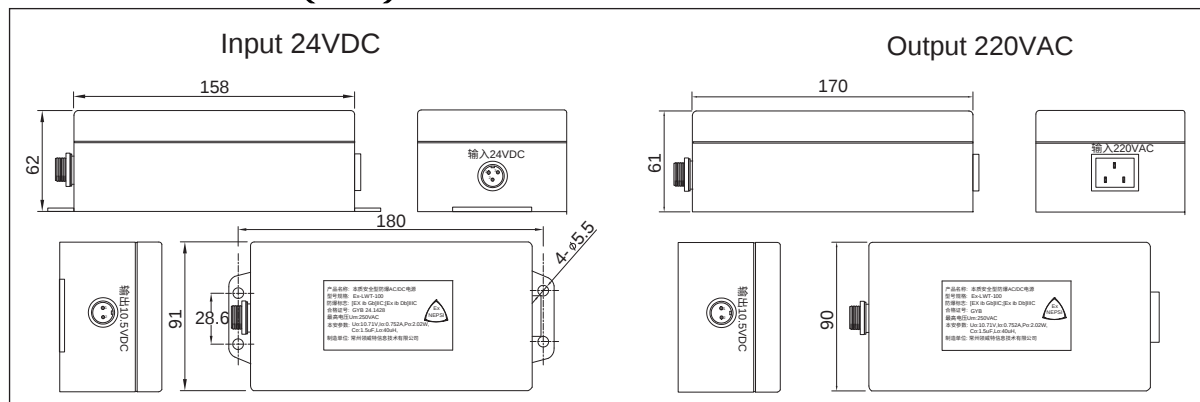


Notice : Ex-LWT-100 Intrinsically Safe Explosion-proof AC/DC Power Supply must be placed in the safe area and is strictly prohibited to be used directly in the hazardous area. If used in the hazardous area, the AE910 must be placed in the explosion-proof box, and the power cord is introduced into the explosion-proof box and connected to the Ex-LWT-100 power board through the pipe.

Technical features

Model		EX-LWT-100 Intrinsically Safe Power Supply
Input Voltage		220VAC(-10~+10%)/50Hz +24VDC±20
Output voltage		10.5V (No load),10V (150mA) 12V (load),11V(150mA)
Intrinsically safe circuit parameter	Maximum output voltage(Uo)	10.71V
	Maximum output current(Io)	752mA
	Maximum Output Power (Po)	2.02W
	Maximum Allowable Output Capacitance(Co)	1.5uH
	Maximum Allowable Output Inductance(Lo)	40uH
Basic parameter	Explosion-proof grade	[Ex ib Gb]IIC; [Ex ib Db]IIIC
	Operating environment	Safe areas or inside explosion-proof boxes
	Shell material	304 stainless steel
Mechanical property	Operating temperature	-10 ~+40
	Relative humidity	<90%RH,non-condensing
Others	Output power cable length	3m (support customization,maximum <200m)
	Input power cable length	1.5m
	Number of loadcells	Up to four 350Ω sensors
Certificate of explosion-proof		GYB24.1428

Outline dimensions (mm)



Exd-LWT650-X

Exd-LWT650-X is suitable for use in explosive gas environments Zone 1, Zone 2 and dusty environments in zones 21 and 22. It is an explosion-proof product integrating weighing, displaying and controlling. It is designed and manufactured according to national standards GB3836.1-2021, GB3836.2-2021, GB3836.31-2021 and enterprise standard Q/320400 MZ002-2023 and obtains explosion-proof certificate.



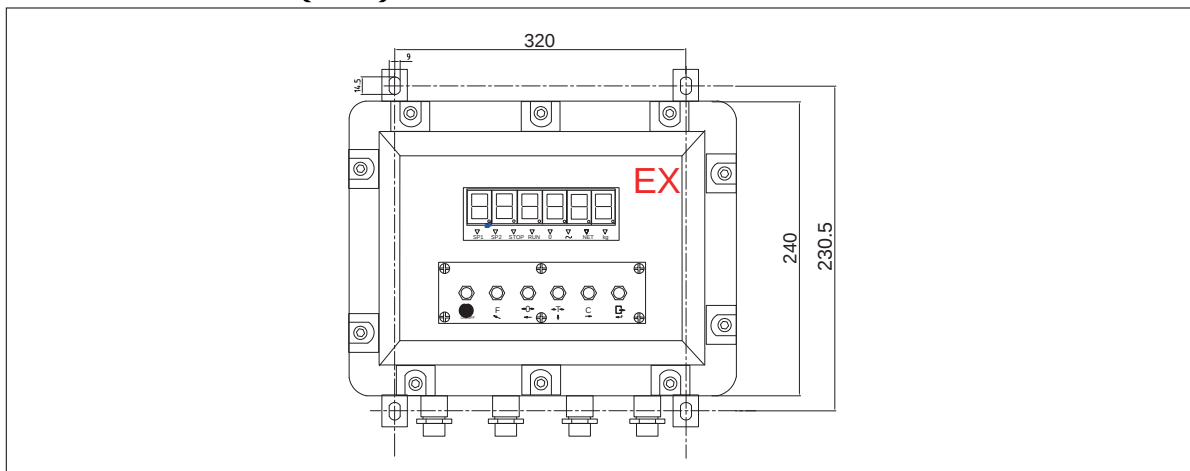
Features

- Combination of analog filtering and adjustable filtering, anti-electromagnetic interference, anti-external vibration
- Supports various industrial field buses, has remote control function, and is convenient for remote operation through serial port and Ethernet

Technical features

Environment	-10°C to 40°C, 10% to 95% humidity, non-condensing
Power supply	24VDC/220VAC
Keyboard and Display	6-digit red LED digital tube display, 6 magnetic induction operation buttons
Weighing process	24-bit A/D conversion, up to 400 A/D updates per second, 300,000d display accuracy
Control interface	Multiple options
Standard communication	RS232, RS485, support Modbus-RTU
PLC interface	4-20mA analog option available
Loadcell excitation	5V DC
Number of loadcells	Up to six 350Ω loadcells
Software update	Electrically erasable FLASH memory, can be upgraded through the communication interface
Explosion-proof grade	Ex db IIC T6 Gb; Ex tb IIIC T80°C Db
Certificate of explosion-proof	CE24.4057

Outline dimensions (mm)





Light



Combustibles



Combustion aid



Explosion



Indicators

Explosion-proof
products

Loadcells
Modules

Scales
Weighing platforms

LWT-WH Bellow

The bellows sensor is a small capacity sensor with a compact structure. It is generally used in combination of multiple sensors and has a low installation height.

Features and Uses

- High-quality stainless steel
- Fully sealed laser welding
- High comprehensive precision and stability
- Can be used in harsh industrial environments
- Applicable to packaging scales, filling scales, belt scales, dosage scales, inspection scales, etc.

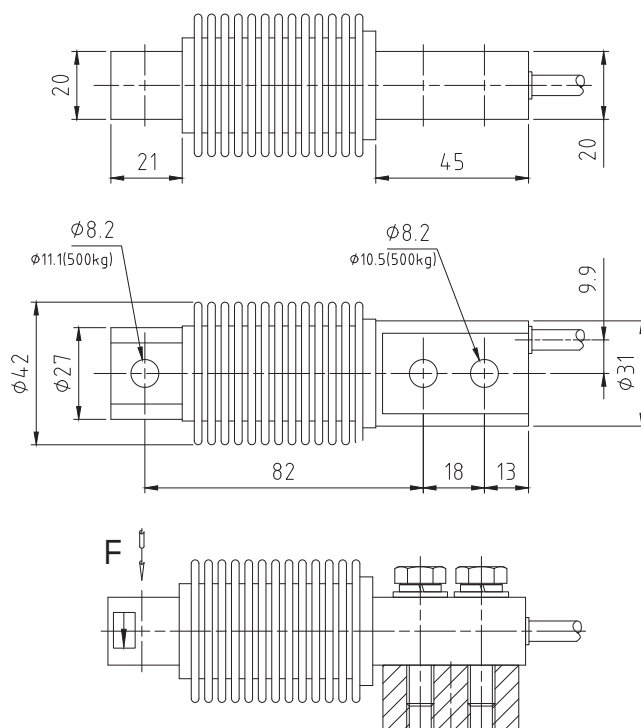


Technical Parameters

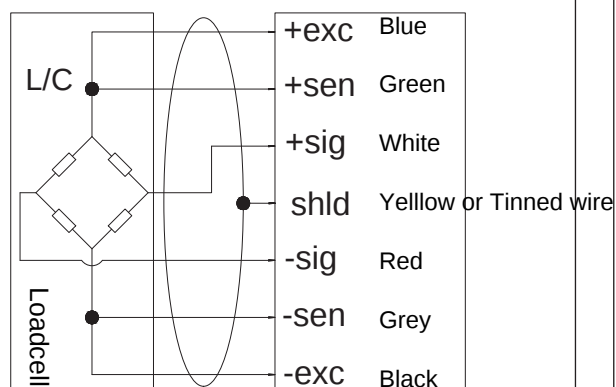
Parameters		Unit	Technical requirements	
Model			LWT-WH series	
Accuracy level			C3	
Rated capacity		kg	5,10,20,30,50,100,200	500
Output sensitivity		mV/V	2.0±0.05	
Repeatability error		%R.C.	±0.018	
Hysteresis		%R.C.	≤ 0.017	
Nonlinearity		%R.C.	≤ 0.018	
Creep (30min)		%R.C.	≤ 0.0166	
Zero output		mV/V	≤ 0.02	
Temperature range	Compensation temperature		-10 -40	
	Operating temperature		-40 -70	
Temperature sensitivity drift		%R.C.	0.008 (10°C)	
Zero temperature drift		%R.C.	0.0125 (10°C)	
Input resistance		Ω	405±10	
Output resistance		Ω	350±5	
Insulation resistance		MΩ	≥ 5000(100VDC)	
Recommended excitation voltage		VDC	5-15	
Maximum excitation voltage		VDC	20	
Safe overload		%R.C.	150	
Ultimate overload		%R.C.	300	
Protection	Sealing method		Laser welding	
	Protection level		IP68	
Cable length		m	3	
Recommended installation torque		N·m	26	54



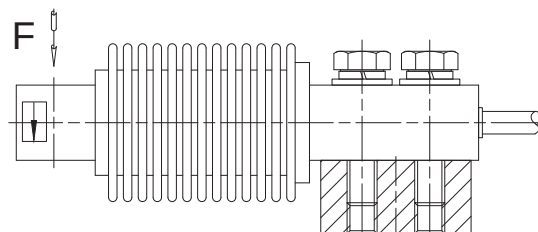
Outline dimensions (mm)



Connection



Installation



LWT-SB Shear Beam

Shear beam sensor is a product with a wide range of applications, good environmental applicability and easy installation.

Features and Uses

- High quality stainless steel
- High precision, high stability
- Easy and fast installation
- Fully sealed laser welding
- Suitable for weighing platforms, filling scales, dosage scales and other types of weighing control

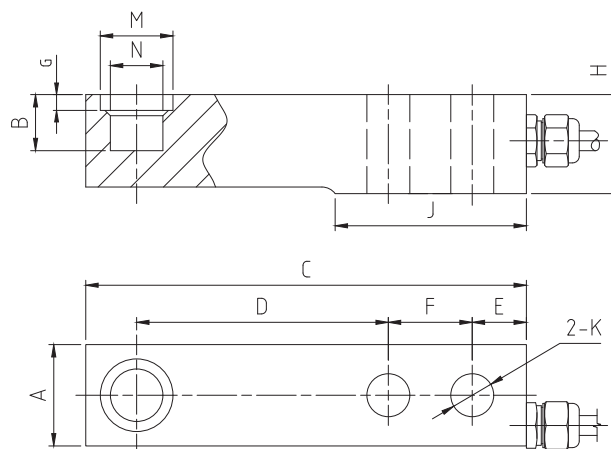


Technical Parameters

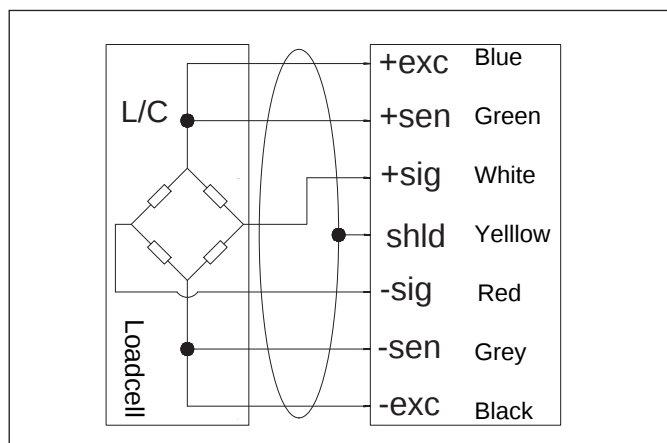
Parameters		Unit	Technical requirements
Model			LWT-SB series
Accuracy level			C3
Rated capacity		kg	200, 500, 1000, 2000, 3000, 5000, 10000, 13500, 20000
Output sensitivity		mV/V	2.0±0.1%
Repeatability error		%R.C.	±0.03
Hysteresis		%R.C.	≤ 0.03
Nonlinearity		%R.C.	≤ 0.03
Creep (30min)		%R.C.	≤ 0.03
Zero output		mV/V	≤ 0.01
Temperature range	Compensation temperature		-10~+40
	Operating temperature		-10~+70
Temperature sensitivity drift		%R.C.	0.02 (10°C)
Zero temperature drift		%R.C.	0.02 (10°C)
Input resistance		Ω	387±20
Output resistance		Ω	350±5
Insulation resistance		MΩ	≥ 5000(50VDC)
Recommended excitation voltage		VDC	10
Maximum excitation voltage		VDC	15
Safe overload		%R.C.	150
Ultimate overload		%R.C.	300
Protection	Sealing method		Laser welding
	Protection level		IP67
Cable length		m	4m (≤ 3000kg), 5m (5000kg), 6m (10000kg), 10m (> 10000kg)
Recommended installation torque		N·m	98 (≤ 2000kg), 160 (30000kg), 275 (5000kg), 1255 (10000kg), 1700 (> 10000kg)



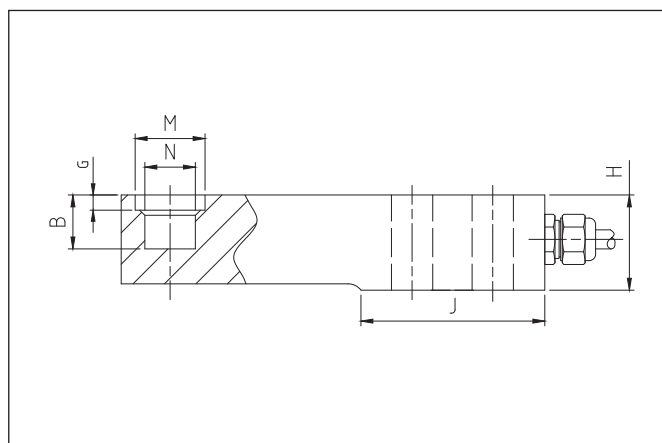
Outline dimensions (mm)



Connection



Installation



Rated range

Rated range		A	B	C	D	E	F	G	H	J	K	M	N
250-1000Kg	mm	30.7	17	33.4	76.2	16.4	25.4	4.8	30	57.9	12.7	22	15.9
2000Kg	mm	36.8	23	136.7	76.2	16.7	25.4	9.5	36.6	57.9	12.7	22	15.9
3000Kg	mm	39	23	139.7	79.2	16.7	25.4	9.5	36.6	57.9	15	22	15.9
5000Kg	mm	42.9	29.4	171.5	95.2	16.7	38.1	11	43	73.8	19	34.9	22.2
10000-13500Kg	mm	60.4	20.6	279.4	139.7	25.4	82.6	8.6	66.7	133.4	27	47.6	31.8
20000Kg	mm	70	24.2	317.5	158.8	31.8	88.9	9.5	82.6	152.4	33.3	54	38.1

LWT-TS Tension

The tension loadcell is easy to install, has a compact structure, accurate force measurement, good long-term stability and long service life.

Features and Uses

- Made of high-quality alloy steel and stainless steel
- High overall accuracy and compact structure
- Good long-term stability
- Suitable for weighing control of hook scales, hopper scales, batching scales, and electromechanical transformation of mechanical scales

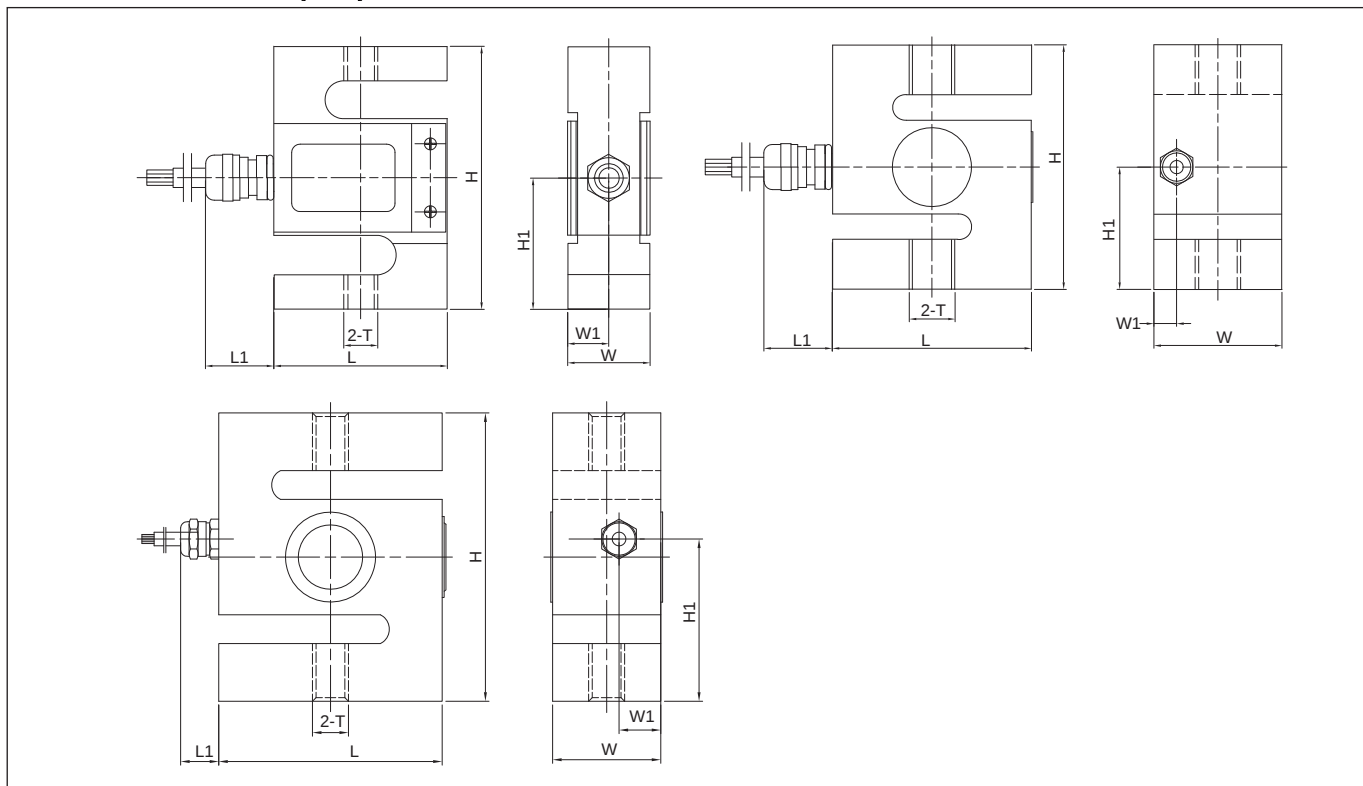


Technical Parameters

Parameters		Unit	Technical requirements		
Model			TSC	TSB	TSH
Accuracy level			C3		
Rated capacity		kg	50,100,200,300,500,1000	2000, 3000, 5000	2000,3000,5000,10000,20000,30000,50000
Output sensitivity		mV/V	2±0.002		
Repeatability error		%R.C.	≤ 0.01		
Hysteresis		%R.C.	≤ 0.017		
Nonlinearity		%R.C.	≤ 0.017		
Creep (30min)		%R.C.	≤ 0.017		
Temperature range	Compensation temperature		-10 ~ +40		
	Operating temperature		-40 ~ +65		
Temperature sensitivity drift		%R.C.	≤ 0.002		
Zero temperature drift		%R.C.	≤ 0.002		
Input resistance		Ω	381±4		
Output resistance		Ω	350±1		
Insulation resistance		MΩ	≥ 5000(50VDC)		
Recommended excitation voltage		VDC	5 ~ 15		
Maximum excitation voltage		VDC	20		
Safe overload		%R.C.	150		
Ultimate overload		%R.C.	300		
Protection level			IP65	IP67	IP68
Cable length		m	5		



Outline dimensions (mm)



Installation

Model	Rated range (kg)	Dimensions(mm)						
		L	H	W	T	W1	H1	L1
TSC	50, 100, 200	50.8	77	18.5	M10x1	9.3	38.5	17
	300	50.8	77	24.4	M10x1	12.2	38.5	17
	500	50.8	77	24.4	M12x1	12.2	38.5	17
	1000	50.8	77	36	M12x1	18	38.5	17
TSB	2000	70	86	45	M16x1.5	8	43	17
	3000	80	100	50	M18x1.5	8	50	17
	5000	92	130	58	M20x2	8	65	17
TSH	200-300	62	80	30	M10x1	10	47.5	17
	500	62	80	30	M12x1	10	47.5	17
	1000	70	90	30	M12x1	10	47.5	17
	2000	70	90	45	M16x1.5	17.5	52.5	17
	3000	80	100	50	M18x1.5	19.5	58.5	17
	5000	92	130	58	M20x2	23.5	72.5	17

Connection

Cable color code

Color	Definition
Green	+exc
Black	-exc
Yellow	+sen
Blue	-sen
White	+sig
Red	-sig
Yellow(long)	shld

LWT-SQB Single-Point

Single-point loadcell has the characteristics of stable performance, low installation height and strong overload resistance.

Features and Uses

- Alloy steel material
- High cost performance
- High overall accuracy and stability
- Easy and fast installation
- Suitable for various weighing controls such as packaging scales, electronic price scales, and electronic platform scales

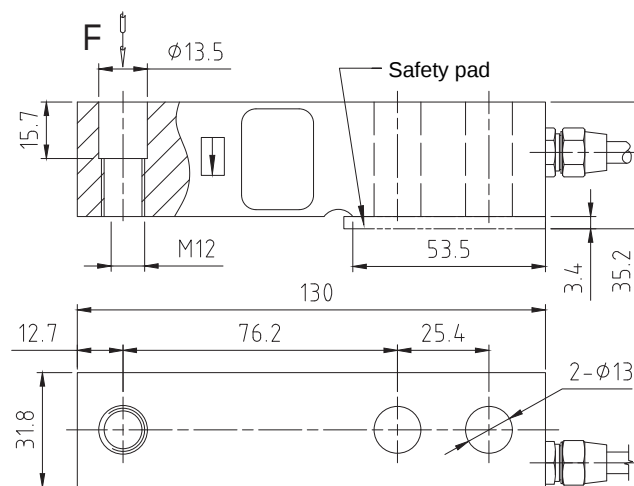


Technical Parameters

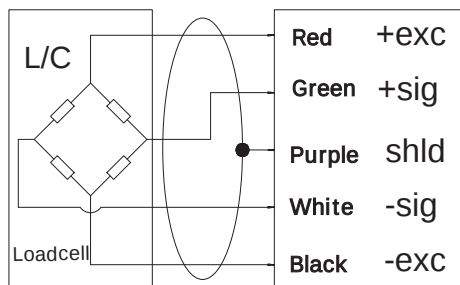
Parameters		Unit	Technical requirements
Model			LWT-SQB series
Accuracy level			C3
Rated capacity		kg	100~300
Output sensitivity		mV/V	2.0±0.002
Repeatability error		%R.C.	≤0.015
Hysteresis		%R.C.	≤±0.015
Nonlinearity		%R.C.	≤0.02
Creep (30min)		%R.C.	≤0.03
Zero output		mV/V	≤0.05
Temperature range	Compensation temperature		-10 ~ +40
	Operating temperature		-30 ~ +70
Temperature sensitivity drift		%R.C.	0.03 (10)
Zero temperature drift		%R.C.	0.03 (10)
Input resistance		Ω	400±20
Output resistance		Ω	352±3
Insulation resistance		MΩ	≥5000 (50VDC)
Recommended excitation voltage		VDC	10 ~ 12
Maximum excitation voltage		VDC	15
Safe overload		%R.C.	150
Ultimate overload		%R.C.	200
Protection	Sealing method		Adhesive seal
	Protection level		IP67
Cable length		m	1.5 / 3
Recommended installation torque		N·m	98



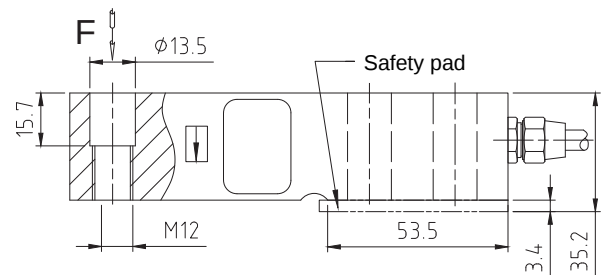
Outline dimensions (mm)



Connection



Installation



LWT-GP Single-point

Single point loadcell, typically used for small or medium-sized table weighing with high protection requirements.

Features and Uses

- High-quality stainless steel
- Cost-effective
- High comprehensive precision and stability
- Easy and fast installation
- Can be used in harsh industrial environments
- Applicable to packaging scales, electronic pricing scales, electronic platform scales, etc.

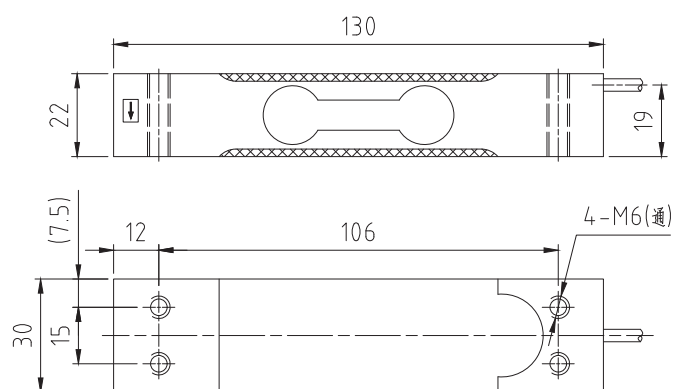


Technical Parameters

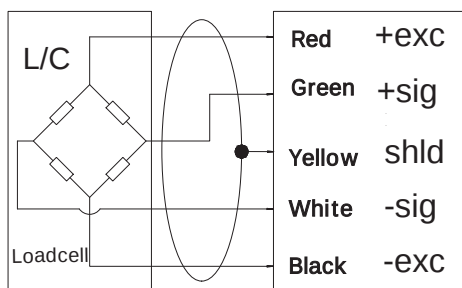
Parameters		Unit	Technical requirements	
Model			LWT-GP series	
Accuracy level			C3	
Rated capacity		kg	6,10,20,30	
Output sensitivity		mV/V	2.0±0.1	
Repeatability error		%R.C.	≤ 0.017	
Hysteresis		%R.C.	≤ ±0.02	
Nonlinearity		%R.C.	≤ 0.02	
Creep (30min)		%R.C.	≤ 0.03	
Zero output		mV/V	≤ 0.02	
Temperature range	Compensation temperature		-10 ~ +60	
	Operating temperature		-20 ~ +80	
Temperature sensitivity drift		%R.C.	0.025 (10)	
Zero temperature drift		%R.C.	0.025 (10)	
Input resistance		Ω	380±10	
Output resistance		Ω	350±3	
Insulation resistance		MΩ	≥ 5000 (50VDC)	
Recommended excitation voltage		VDC	5 ~ 12	
Maximum excitation voltage		VDC	18	
Safe overload		%R.C.	150	
Ultimate overload		%R.C.	200	
Protection		Sealing method	Adhesive seal	
		Protection level	IP66	
Cable length		m	3	
Recommended installation torque		N·m	10	15



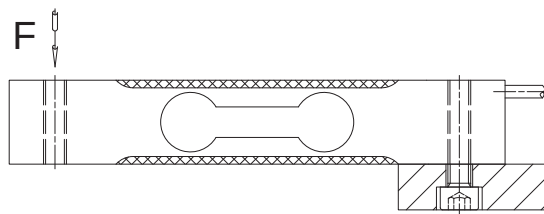
Outline dimensions (mm)



Connection



Installation



LWT-NS Single-point

The single-point loadcell is not only compact but also has the characteristics of a small range. The glue-bound integrated sealing process ensures reliability and durability.

Features and Uses

- Aluminum alloy
- Cost-effective
- High comprehensive precision and stability
- Easy and fast installation
- Suitable for packaging scales, electronic price scales, electronic platform scales and other types of weighing control

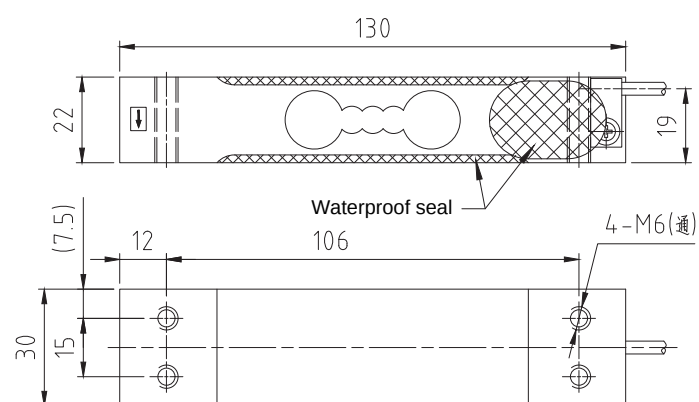


Technical Parameters

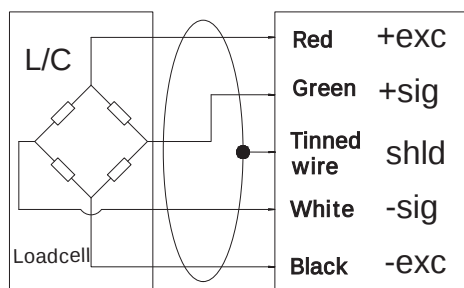
Parameters		Unit	Technical requirements	
Model			LWT-NS series	
Accuracy level			C3	
Rated capacity		kg	3,6,10,15,20,30,40,50	
Output sensitivity		mV/V	2.0±0.1	
Repeatability error		%R.C.	≤0.015	
Hysteresis		%R.C.	≤±0.015	
Nonlinearity		%R.C.	≤0.02	
Creep (30min)		%R.C.	≤0.03	
Zero output		mV/V	≤0.05	
Temperature range	Compensation temperature		-10 ~ +40	
	Operating temperature		-20 ~ +60	
Temperature sensitivity drift		%R.C.	0.03 (10)	
Zero temperature drift		%R.C.	0.05 (10)	
Input resistance		Ω	405±10	
Output resistance		Ω	350±3	
Insulation resistance		MΩ	≥5000 (50VDC)	
Recommended excitation voltage		VDC	5 ~ 12	
Maximum excitation voltage		VDC	18	
Safe overload		%R.C.	150	
Ultimate overload		%R.C.	200	
Protection	Sealing method		Adhesive seal	
	Protection level		IP65	
Cable length		m	0.4	
Recommended installation torque		N·m	5	10
Maximum table size		mm	250×350	



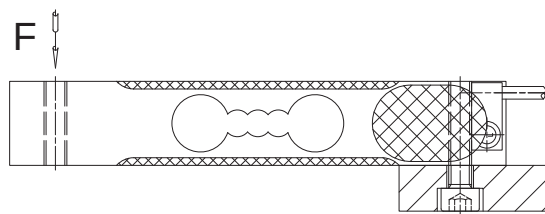
Outline dimensions (mm)



Connection



Installation



LWT-1241 Single-point

Single point loadcells are ideal for many weighing devices due to their compact size, medium range and high reliability.

Features and Uses

- Compact aluminum alloy
- Cost-effective
- Easy and fast installation
- High comprehensive precision and stability
- Corner deviation compensated
- Suitable for packaging scales, pricing scales, process weighing control

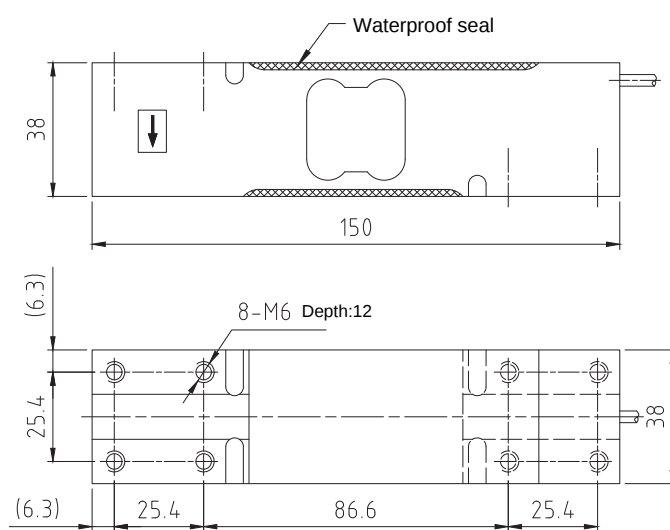


Technical Parameters

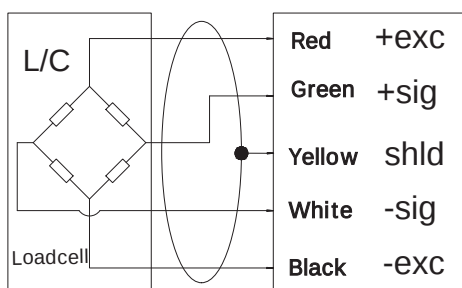
Parameters		Unit	Technical requirements
Model			LWT-NS series
Accuracy level			C3
Rated capacity		kg	30, 50,100,150, 200, 250,300
Output sensitivity		mV/V	2.0±0.2
Repeatability error		%R.C.	≤0.01
Hysteresis		%R.C.	≤0.02
Nonlinearity		%R.C.	≤0.02
Creep (30min)		%R.C.	≤0.02
Zero output		mV/V	±0.05
Temperature range	Compensation temperature		-10 ~ +40
	Operating temperature		-10 ~ +50
Temperature sensitivity drift		%R.C.	0.02 (10)
Zero temperature drift		%R.C.	0.02 (10)
Input resistance		Ω	400±10
Output resistance		Ω	350±4
Insulation resistance		MΩ	≥5000 (50VDC)
Recommended excitation voltage		VDC	5 ~ 15
Maximum excitation voltage		VDC	20
Safe overload		%R.C.	150
Ultimate overload		%R.C.	200
Protection	Sealing method		Adhesive seal
	Protection level		IP67
Cable length		m	2
Recommended installation torque		N·m	20



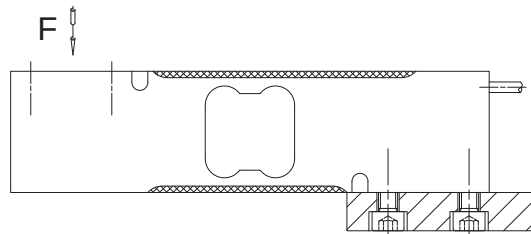
Outline dimensions (mm)



Connection



Installation

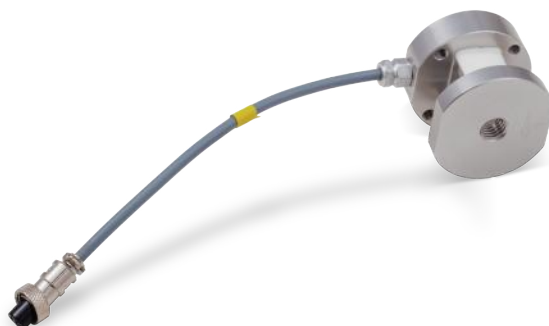


LWT-LH Tension

Tension loadcell has the characteristics of compact structure, easy installation, durability, convenient replacement and stable performance. It is suitable for force measurement and control, testing machine and other force measuring devices.

Features and Uses

- High-quality stainless steel
- Fully sealed laser welding
- High overall accuracy and stability
- Applicable to harsh industrial environments
- Applicable to packaging scales, filling scales, belt scales, batching scales, checkweighers, etc.

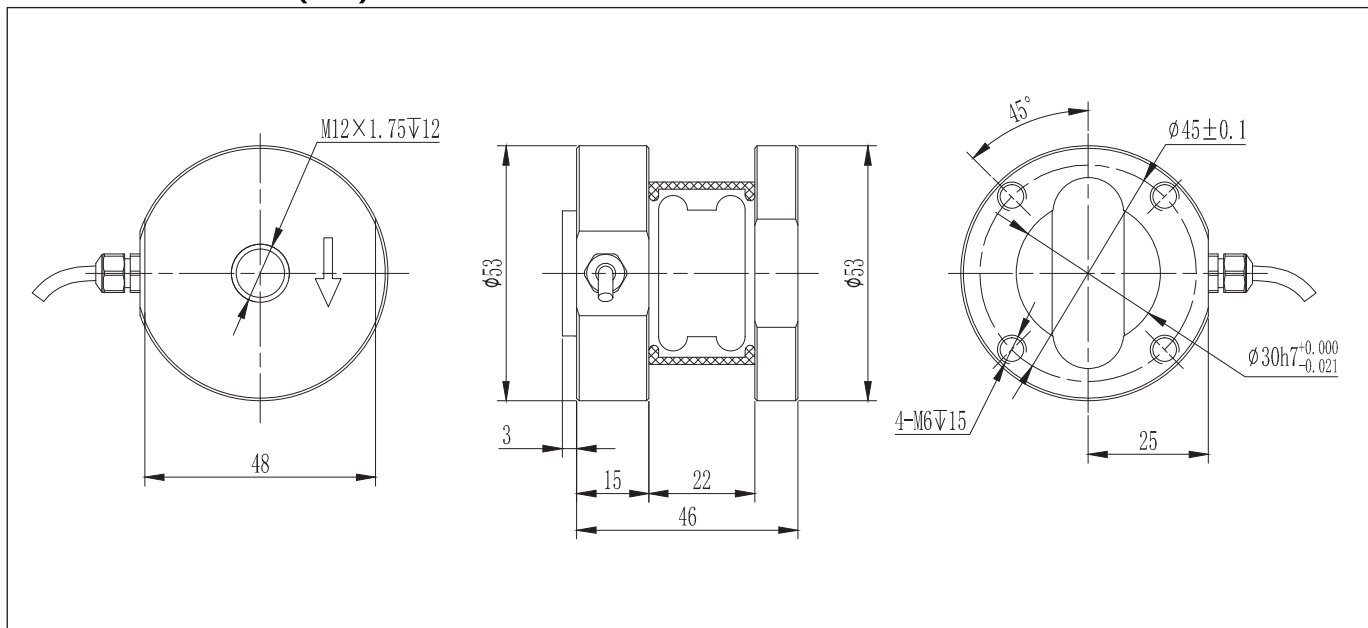


Technical Parameters

Parameters		Unit	Technical requirements
Model			LWT-LH series
Rated capacity		kg	2,5
Output sensitivity		mV/V	1.5±20%
Repeatability error		%R.C.	≤ 0.1
Hysteresis		%R.C.	≤ 0.1
Nonlinearity		%R.C.	≤ 0.1
Creep (30min)		%R.C.	≤ 0.1
Zero output		mV/V	≤ 0.05
Temperature range	Compensation temperature		-10 ~ +40
	Operating temperature		-20 ~ +70
Temperature sensitivity drift		%R.C.	0.1 (10)
Zero temperature drift		%R.C.	0.1 (10)
Input resistance		Ω	780±20
Output resistance		Ω	700±10
Insulation resistance		MΩ	≥ 2000 (50VDC)
Recommended excitation voltage		VDC	5 ~ 12
Maximum excitation voltage		VDC	15
Safe overload		%R.C.	150
Ultimate overload		%R.C.	200
Protection	Sealing method		Adhesive seal
	Protection level		IP65
Cable length		Φ&L	Φ4.5mm* (0.1m+5m)



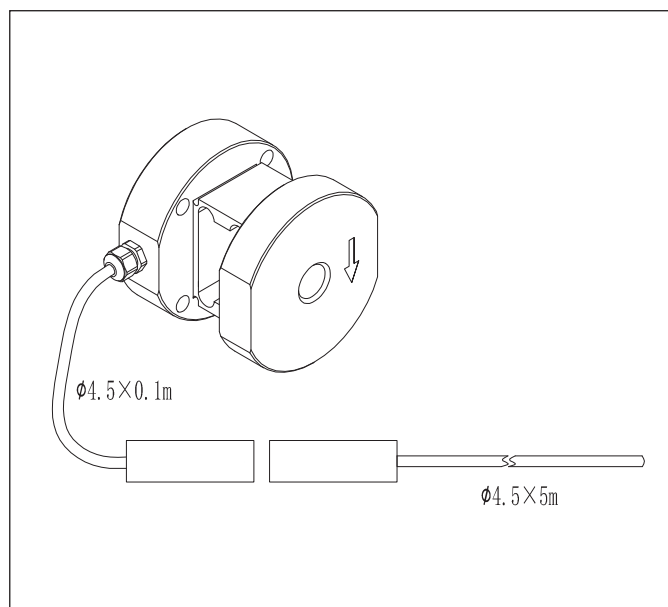
Outline dimensions (mm)



Connection

Pinout definition		
Pin1	Brown	E+
Pin2	White	S-
Pin3	Yellow(without sleeve)	Shiled
Pin4	Yellow	E-
Pin5	Green	S+

Installation



LWT-LHE Tension

The tension loadcell has a compact structure, is easy to install, has a wide range of applications, high accuracy, reliability and adaptability.



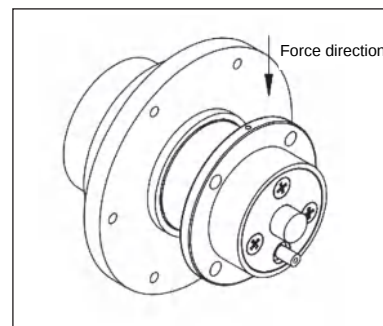
Technical Parameters

Parameters	Unit	Technical requirements
Model		LWT-LHE
Rated capacity	kg	5
Output sensitivity	mV/V	0.6±10%
Repeatability error	%R.C.	≤0.1
Hysteresis	%R.C.	≤0.1
Nonlinearity	%R.C.	≤0.1
Creep (30min)	%R.C.	≤0.1
Zero output	mV/V	≤0.02
Temperature range	Compensation temperature	-10 ~ +60
	Operating temperature	-20 ~ +80
Temperature sensitivity drift	%R.C.	0.1 (10)
Zero temperature drift	%R.C.	0.1 (10)
Input resistance	Ω	350±10
Output resistance	Ω	350±10
Insulation resistance	MΩ	≥2000 (50VDC)
Recommended excitation voltage	VDC	5
Maximum excitation voltage	VDC	15
Safe overload	%R.C.	150
Ultimate overload	%R.C.	200
Protection level		IP66
Cable length	Φ&L	Φ5×5m

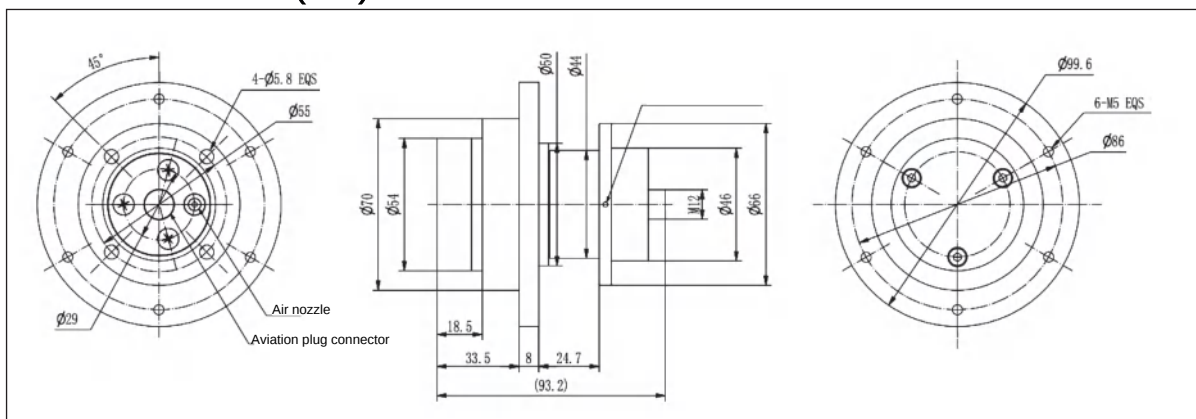
Connection

Line Sequence	Definition
Pin1	E+
Pin2	S+
Pin3	S-
Pin4	E-
Pin5	Shield

Installation



Outline dimensions (mm)



LWT-GPS Weighing module

LWT-GPS is easy to install and can ensure the accuracy and long-term stability of the loadcell.

Features and Uses

- High-quality stainless steel
- Fully sealed laser welding
- High comprehensive precision and stability
- Can be used in harsh industrial environments
- Applicable to packaging scales, filling scales, belt scales, dosage scales, inspection scales, etc

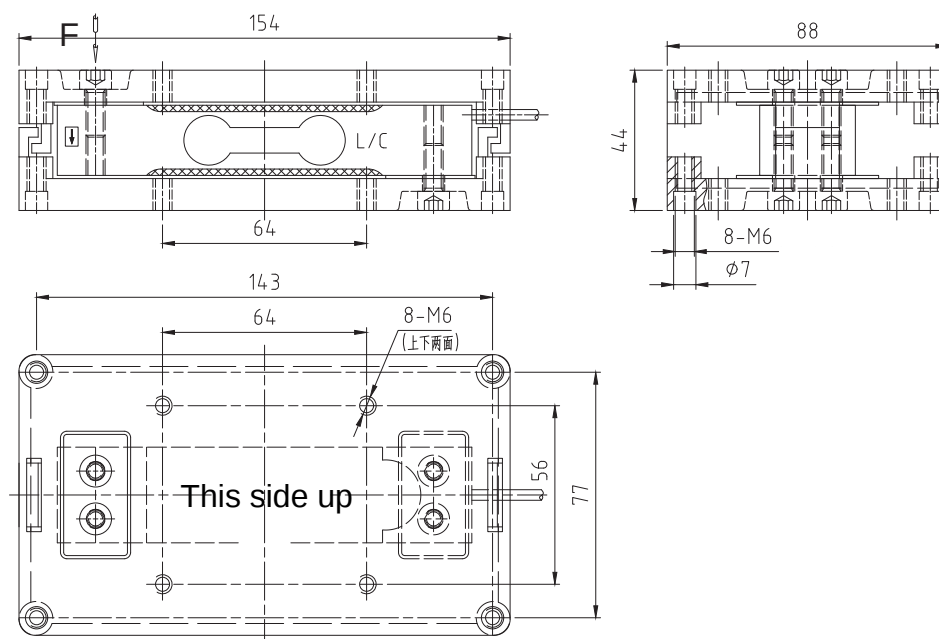


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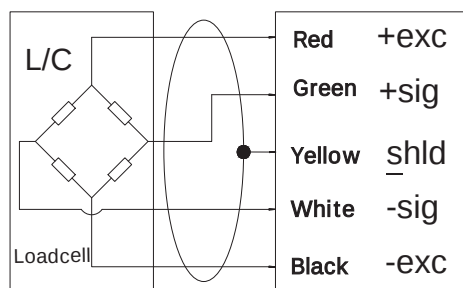
Parameter		Unit	Technical Requirements
Model			LWT-GPS
Accuracy level			C3
Rated capacity		kg	6,10,20,30
Output sensitivity		mV/V	2.0±0.1
Repeatability error		%R.C.	≤ 0.017
Hysteresis		%R.C.	≤ ±0.02
Non-linearity		%R.C.	≤ 0.02
Creep (30min)		%R.C.	≤ 0.03
Zero output		mV/V	±0.02
Temperature range	Compensation temperature		-10-60
	Operating temperature		-20-80
Temperature sensitivity drift		%R.C.	0.025 (10)
Zero temperature drift		%R.C.	0.025 (10)
Input resistance		Ω	380±10
Output resistance		Ω	350±3
Insulation resistance		MΩ	≥ 5000 (50VDC)
Recommended excitation voltage		VDC	5-12
Maximum excitation voltage		VDC	18
Safe overload		%R.C.	150
Ultimate overload		%R.C.	200
Protection level			IP66
Cable length		m	3



Outline dimensions (mm)



Connection



LWT-MMA Weighing module

LWT-MMA weighing module is suitable for both dynamic and static load weighing applications. The loadcell has a self-reset function and accurate and reliable measurement performance.

Features and Uses

- High-quality stainless steel
- Cost-effective
- High comprehensive precision and stability
- Easy and fast installation
- Can be used in harsh industrial environments
- Suitable for packaging scales, electronic price scales, electronic platform scales and other types of weighing control

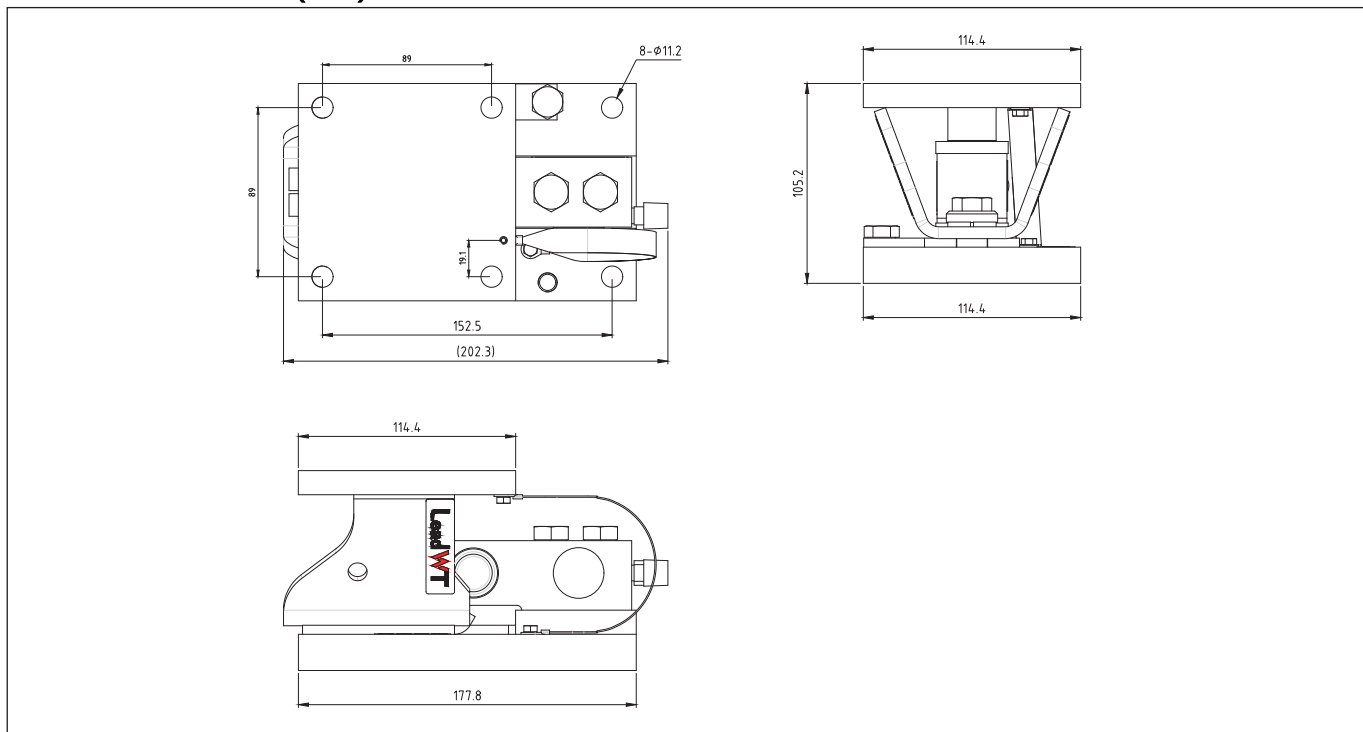


Technical Parameters

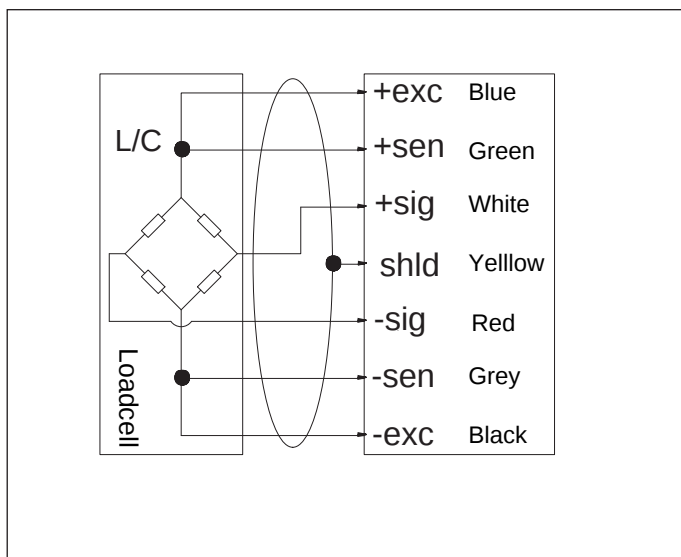
Parameter		Unit	Technical Requirements
Model			LWT-MMA
Accuracy level			C3
Rated capacity		kg	220,550,1100,1760 , 2200
Output sensitivity		mV/V	2.0±0.1
Repeatability error		%R.C.	≤ 0.03
Hysteresis		%R.C.	≤ 0.03
Non-linearity		%R.C.	≤ 0.03
Creep (30min)		%R.C.	≤ 0.03
Zero output		mV/V	±0.01
Temperature range	Compensation temperature		-10 ~ +40
	Operating temperature		-35 ~ +70
Temperature sensitivity drift		%R.C.	0.02 (10)
Zero temperature drift		%R.C.	0.02 (10)
Input resistance		Ω	387±20
Output resistance		Ω	350±3
Insulation resistance		MΩ	≥ 5000 (50VDC)
Recommended excitation voltage		VDC	10
Maximum excitation voltage		VDC	15
Safe overload		%R.C.	150
Ultimate overload		%R.C.	300
Protection level			IP68
Cable length		m	2,3,5,10



Outline dimensions (mm)



Connection

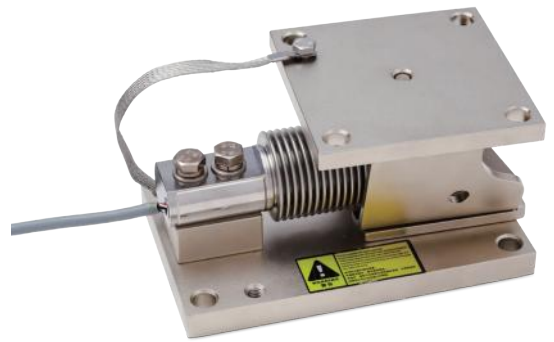


LWT- BUMA Weighing module

LWT-BUMA weighing module has the characteristics of anti-overturning protection and anti-overload protection, 360° circumferential horizontal limit protection, and the sensor has a self-reset function.

Features and Uses

- High-quality stainless steel
- Available in BMA and BMS material
- Ball joints to keep the module vertical at all times
- Suitable for dosage, filling and logistics industries
- Horizontal limit capability
- Support bolts to prevent the equipment from tipping over
- Anti-overload capability
- Can be used in harsh industrial environments

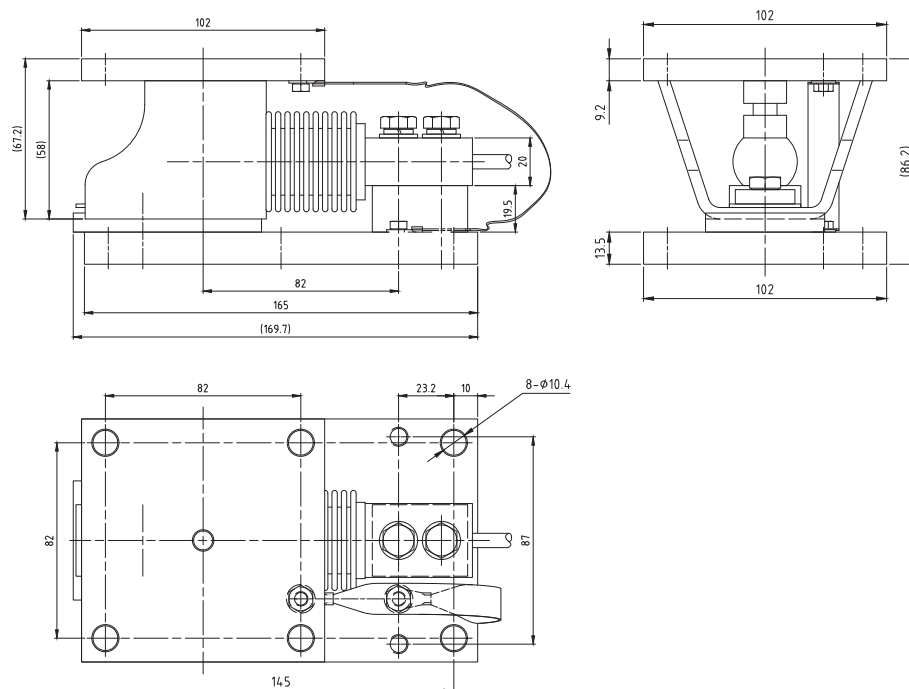


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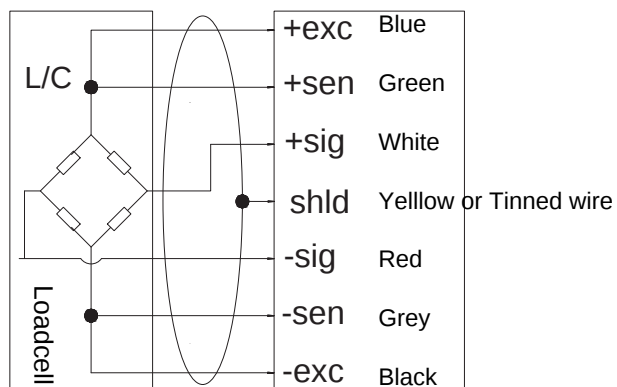
Parameter		Unit	Technical Requirements
Model			LWT-BUMA
Accuracy level			C3
Rated capacity		kg	20,50,100,200,500
Output sensitivity		mV/V	2.0±0.05
Repeatability error		%R.C.	≤ 0.018
Hysteresis		%R.C.	≤ 0.017
Non-linearity		%R.C.	≤ 0.018
Creep (30min)		%R.C.	≤ 0.0166
Zero output		mV/V	±0.02
Temperature range	Compensation temperature		-10 ~ +40
	Operating temperature		-30 ~ +70
Temperature sensitivity drift		%R.C.	0.008 (10)
Zero temperature drift		%R.C.	0.0125 (10)
Input resistance		Ω	400±20
Output resistance		Ω	352±3
Insulation resistance		MΩ	≥ 5000 (50VDC)
Recommended excitation voltage		VDC	5-15
Maximum excitation voltage		VDC	20
Safe overload		%R.C.	150
Ultimate overload		%R.C.	300
Protection level			IP68



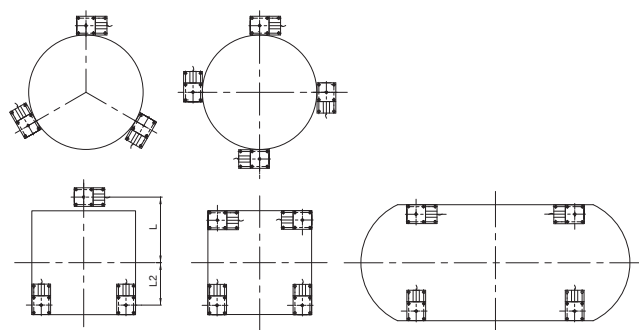
Outline dimensions (mm)



Connection



Installation



LWT-PBMZ / PBMD

LWT-PBMZ&PBMD scales are strong and reliable, with a variety of table sizes and capacities, suitable for a variety of applications. They provide flexible, strong and cost-effective solutions for weighing applications in dry environments, and can be used in areas such as receiving, production and warehouses.



Simple level adjustment



- The easily adjustable feet allow for reliable and precise leveling of the scale. The feet are made of sturdy rubber material and have excellent cushioning properties.

Stainless steel countertops



- All series of scales are made of stainless steel, suitable for harsh industrial environments

Excellent overload protection



- Well-designed overload limiter provides the best protection to prevent damage to the loadcell



Technical features

Verification graduation	3000e
Material	Scale body: Carbon steel spray-coated
	Tabletop: Stainless steel AISI304 IP65
Protection level	IP65
Loadcell	High performance aluminum sensor

Standard Configuration

Model	Table size	Weighing capacity								Loadcell cable length	Remark
Rectangular weighing table											
PBMZ	240x300 mm	6kg	15kg							1m	Corrugated Sheet
	300x400 mm			30kg	60kg					2m	
	400x500 mm				60kg	150kg				2m	
PBMD	500x650 mm				60kg	150kg	300kg			2m	Square tube Round tube
	600x800 mm				60kg	150kg	300kg	600kg		2m (< 600kg) 2.5m (600kg)	
	800x1000 mm								1000kg	2.5m	
Verification scale value 1x3000e (1000kg capacity verification scale value is 1x2000e)											
Verification graduation		2g	5g	10g	20g	50g	100g	200g	500g		
Minimum weighing capacity		40g	100g	200g	400g	1kg	2kg	4kg	10kg		

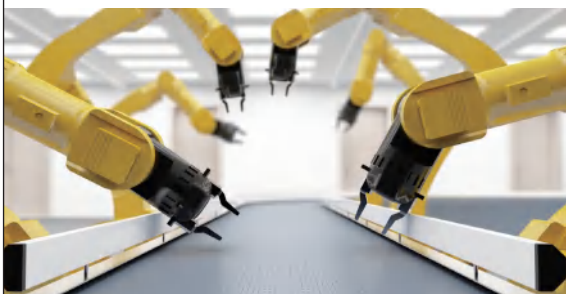
LWT-PC Series

LWT-PC series ultra-low table electronic weighing platforms is a novel electronic scale designed with a new concept. It is easy to use , accurate in weighing, and equipped with a weighing sensor and a weighing display instrument.

It is mainly suitable for weighing cargo carts and round storage barrels/boxes. It is mainly used in weighing cargo in commercial warehouses and their distribution centers, postal distribution centers, railways, highway cargo consignment undertaking businesses, finished product warehouses, semi-finished product warehouses of pharmaceutical and food enterprises, and cargo weighing on various production lines.



Ultra-low platform, ultra-short ramp



- Four high-precision compact shear beam weighing sensors and junction boxes are installed on both sides of the scale platform, making the working surface of the electronic scale platform very low to the ground (35mm-45mm), and the configured ramp is also very short (30cm).

Easy to use, accurate weighing



- Light and easy to use, easy to install and maintain, with automatic reset force transmission mechanism.

Technical features

Model	LWT-PC series			
Minimum weighing capacity (kg)	300	600	1000	1500
Graduation value (kg)	0.1	0.2	0.5	0.5
Number of divisions	3000	3000	2000	3000
Table size(mm) (width x length x height)	800x800x35			
	1000x1000x35			
	1200x1200x45			
Accuracy level	III			

LWT-PF Series

LWT-PF series electronic weighing platforms can be equipped with a variety of LeadWT weighing indicators, including various specifications, various capacities and various options to meet different application requirements. They can be used for weighing in a variety of occasions and can be widely used in logistics centers, chemicals, pharmaceuticals and other industrial occasions.



High-strength



- This series of electronic weighing platforms has a new steel structure body and frame designed for harsh industrial environments. It can easily cope with various harsh weighing industrial environments. The structure is sturdy and durable, with proven reliability and durability. The newly designed frame protects the sensor from lateral impact.

Durable



- Selection of high-quality steel and excellent surface treatment ensure that the electronic weighing platform can cope with various harsh and complex industrial environments; Stainless steel junction box with protection grade IP68 ensures the long-term reliability of the electronic platform scale, and the unique force transmission structure of the loadcell connector with a tumbler structure ensures long-term accurate and stable weighing.

Flexible and versatile



- This series of electronic weighing platforms can be installed flexibly: on the ground or in a foundation pit. When used on the ground, a ramp can be installed to facilitate weighing of goods on the scale. When installed in a foundation pit, an underground scale frame can be selected to ensure accurate and quick installation.

Technical features

Model	LWT-PFS&PFC			
Protection level	III			
Maximum weighing capacity/ Calibration division value	600kg/0.2kg; 1,500kg/0.5kg; 3,000kg/1kg; 6,000kg/2kg			
Junction Box	304stainless steel, IP68			
Scale material	PFS stainless steel, PFC carbon steel			
Scale height	9cm			
Scale size (width x length)	Maximum weighing capacity			
	600kg	1,500kg	3,000kg	6,000kg
80cm x 80cm	•	•		
100cm x 100cm	•	•	•	
125cm x 125cm		•	•	
150cm x 150cm		•	•	•
200cm x 200cm			•	•



Core pursuit: creating value for customers
Service purpose: customers very satisfied



Visit the website for more information
www.leadwt.com

LeadWT is always committed to improving the functions of its products. For this reason, the technical specifications of the products may also be changed. In the event of the above situation, no separate notice will be given.

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